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*Volume 1—Processing and Corrections of Seasat Data Over Greenland*

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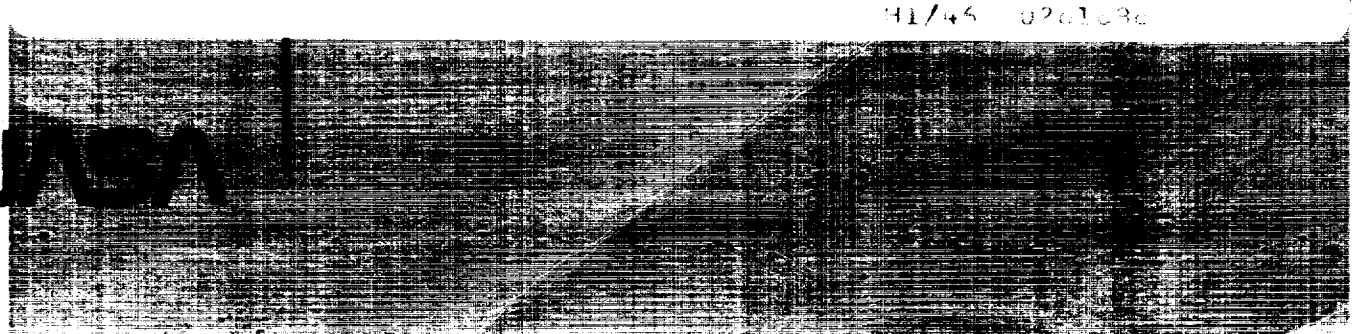

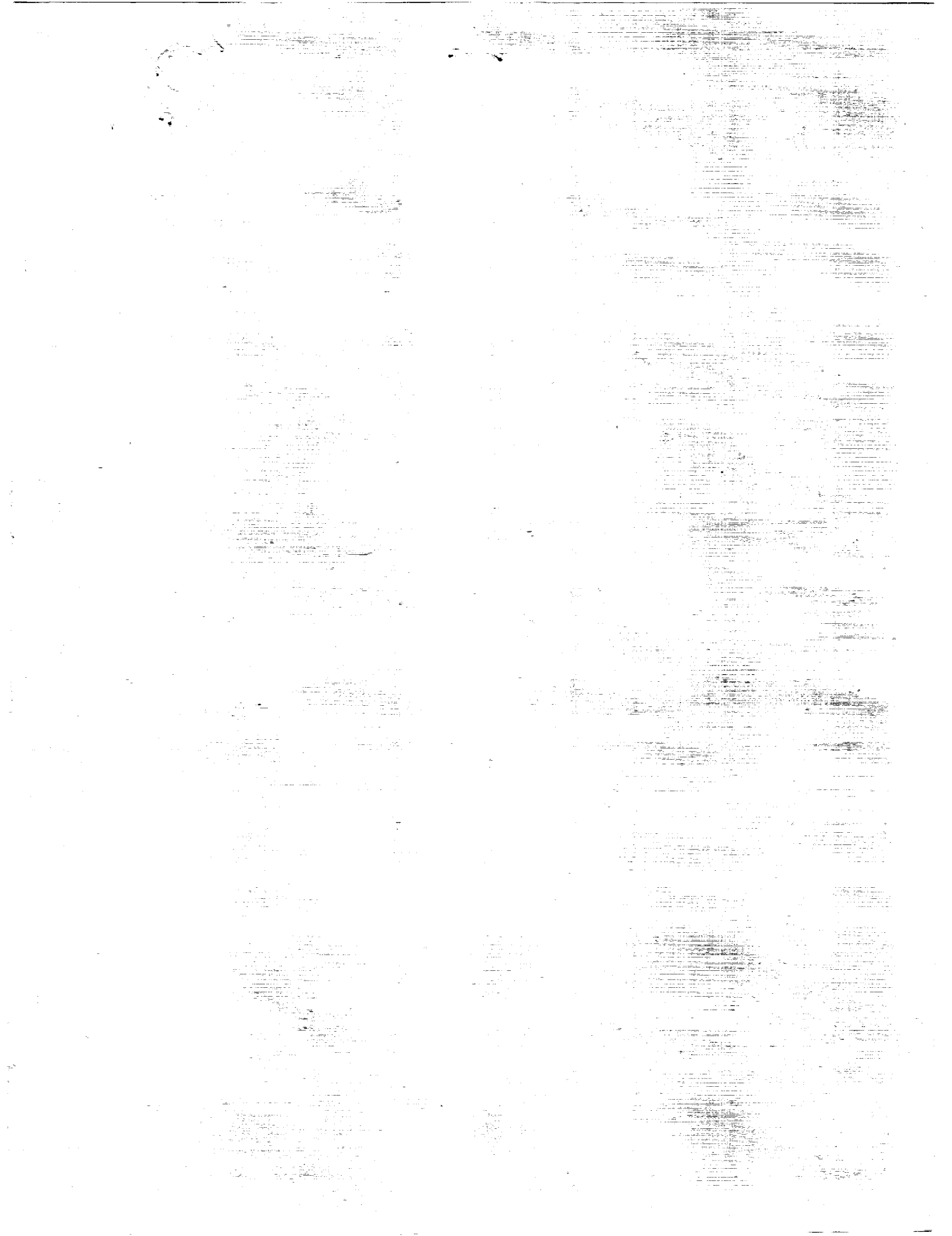

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*Volume 1—Processing and Corrections of Seasat Data Over Greenland*

H. Jay Zwally
*Goddard Space Flight Center*
*Greenbelt, Maryland*

Anita C. Brenner and Judith A. Major
*ST Systems Corporation*
*Lanham, Maryland*

Thomas V. Martin
*Van Martin Consulting, Inc.*
*Rockville, Maryland*

Robert A. Bindschadler
*Goddard Space Flight Center*
*Greenbelt, Maryland*

NASA
National Aeronautics and Space Administration
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Scientific and Technical Information Division

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# PREFACE

The data-processing methods and ice data products derived from Seasat radar altimeter measurements over the Greenland ice sheet and surrounding sea ice are documented in this first volume of a series. The corrections derived and applied to the Seasat radar altimeter data over ice are described in detail, including the editing and retracking algorithm to correct for height errors caused by lags in the automatic range tracking circuit. The methods for radial adjustment of the orbits and estimation of the slope-induced errors are given. The various levels of ice data sets are described in this report, but the user is referred to Volumes 2 (Greenland) and 4 (Antarctica) for more detailed descriptions of the gridded elevation data sets and the geo-referenced data bases.

# SECTION 1.0
# INTRODUCTION

This volume is the first in a series documenting the data-processing methods and ice data products derived from satellite radar altimeter measurements over the ice sheets of Greenland and Antarctica and surrounding sea ice. The data-processing procedures and corrections derived and applied to the Seasat radar altimeter data are described in detail in this report. A flowchart depicting the procedures involved in obtaining the various data products is given in Figure 1. A detailed description of the editing and retracking algorithm is given in Section 2, along with descriptions of the other corrections. The methods for radial adjustment of the orbits and estimation of the slope-induced errors are described. The various levels of ice data sets produced are described in this report, but the user is referred to Volumes 2 and 4 for more detailed descriptions of the gridded elevation data set and the geo-referenced data base.

The input Seasat radar altimeter data, in the form of Geophysical Data Records (GDR's) and Sensor Data Records (SDR's) produced by NASA's Seasat project at the Jet Propulsion Laboratory, were obtained from the NOAA Environmental Satellite Data and Information Service (EDIS) archive on about 1000 magnetic tapes. Development of the data processing methods, the production of higher-level geophysical data products, and analysis and evaluation of the data have been supported at the Goddard Space Flight Center by funding for research and data analysis, provided primarily by NASA's Ocean Processes Program and by the Climate program. Computer programming and technical assistance has been provided by the EG&G Washington Analytical Services Center, Inc. until January 1989 and by ST Systems Corporation since then. Numerous other individuals have provided valuable assistance.

Results have been reported in refereed scientific literature (e.g., Brenner et al., 1983; Martin et al., 1983; Zwally et al., 1983; Thomas et al., 1983; and Gundestrup et al., 1986). In addition, elevation data in various forms have been provided to other scientists and placed in the National Snow and Ice Data Center (NSIDC) and the National Space Science Data Center (NSSDC). The purpose of this series of reports is to document technical details and provide guidance to users of the ice data products.

While all reasonable quality-control efforts have been made to eliminate erroneous data, some data of questionable quality is likely to have persisted, particularly in the lower-level data products. Users should apply normal standards of scientific caution in their use of the data.

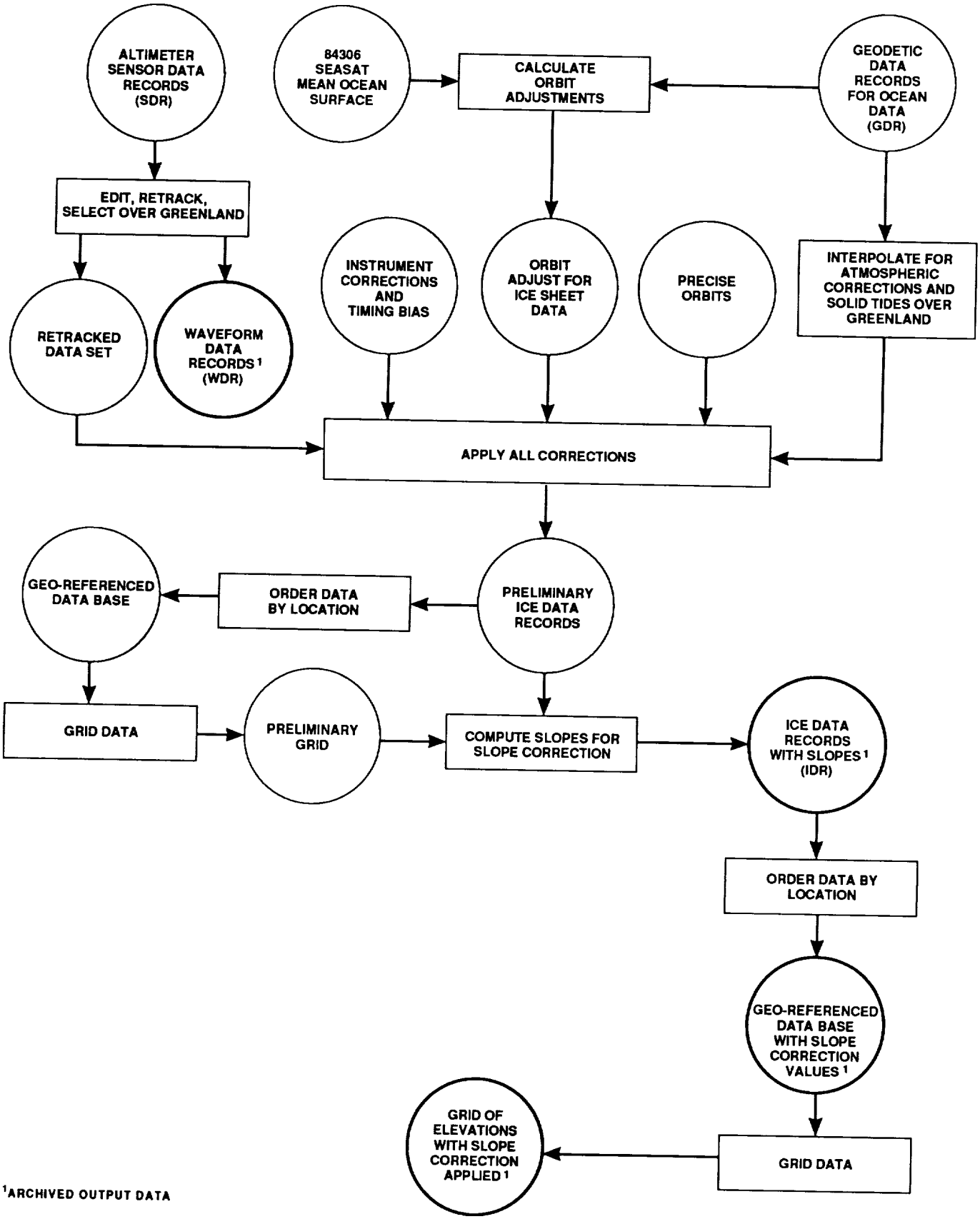



Figure 1. Processes Involved in Obtaining Data Products

The current list of reports is:

Satellite Radar Altimetry over Ice, Volume 1: Processing and Corrections of Seasat Data over Greenland, July 1989. This volume.

Satellite Radar Altimetry over Ice, Volume 2: User's Guide for Greenland Elevation Data from Seasat, July 1989. NASA Reference Publication. _____.

Satellite Radar Altimetry over Ice, Volume 4: User's Guide for Antarctic Elevation Data from Seasat, July 1989. NASA Reference Publication. _____.

Volume 3 will be the Antarctic equivalent of Volume 1. Additional volumes will include descriptions of the data sets being produced by NASA from the radar altimeter data acquired by the U.S. Navy's GEOSAT, using methods similar to those for the Seasat data.

The Seasat spacecraft (e.g., Lame and Born, 1982 and Lame et al., 1980) was launched in late June 1978, and during its brief 110-day lifetime, collected 90 days of nearly continuous radar altimeter data from July 9 through October 10 between the latitudes of 72°S and 72°N. Although designed only for measurements over water, the Seasat radar altimeter (MacArthur, 1978; Tapley et al., 1982; and Townsend, 1980), acquired more than 600,000 useful altimeter range measurements over the continental ice sheets of Greenland and Antarctica.

Over sloping and undulating surfaces, such as ice covered land, or surfaces with highly-variable reflecting characteristics, such as in regions of sea ice, the range to the surface and the characteristics of the received radar pulse changed faster than the response capability of the altimeter electronics. Consequently, it has been necessary to correct each range value for lags of the altimeter range servo-tracking circuitry by a procedure called retracking (Martin et al., 1983). The retracking correction typically had a mean value of + 1.4 m as applied to the surface elevation, a standard deviation of 2.9 m, and maximum and minimum values of ± 15 m. In addition, the pulse-limited footprint (1.6 km minimum diameter), which was located near the satellite nadir point over the relatively flat ocean, was in general located anywhere within the beam-limited footprint (22 km in diameter) over sloping surfaces. The resulting slope-induced error, which was nearly 80 m over slopes of 0.8 degree, can be partially corrected using the procedures described in Brenner et al., 1983. Corrections are also made for errors in orbit determination, atmospheric propagation path-length variations, and earth and ocean tides.

Elevation measurements were obtained at 0.1-second intervals, corresponding to 662-m intervals along the subsatellite ground track. The precision of the corrected range measurements is about 1.6 m overall with a minimum of about 0.25 m in the smoothest regions of the ice sheets

(Zwally et al., 1983). The 5- to 10- cm precision over the ocean is for 1-sec data averages.) The absolute accuracy of the elevations is primarily determined by the limitations on the correction methods for the slope-induced errors and uncertainties in the geoid reference level.

The principal ice data sets produced and/or retained are:

Level 4: Contour maps and gridded elevations with respect to earth ellipsoid and sea level (e.g., this Volume and Volume 2).

Level 3: Geo-referenced data base including all individual elevation measurements (including time, latitude/longitude positions, and slope-correction estimates) accessible by geographic cells (e.g., this Volume and Volume 2).

Level 2: Ice Data Records (IDR's). Orbital-format data records including altimeter parameters, corrected elevations, latitude/longitude positions, AGC, applied corrections, retracking beta parameters, and estimates of along-track and cross-track slope corrections. (this Volume)

Level 1: Waveform Data Records (WDR's). Orbital-format data records including waveform amplitudes by gate, ranges, AGC, and latitude/longitude positions. (this Volume)

Sensor Data Records (SDR's)
Geodetic Data Records (GDR's)

# SECTION 2.0
# ICE DATA RECORDS

The Seasat altimeter data were released in two forms: the Altimeter Sensor Data Record (hereafter referred to as SDR), and the Geophysical Data Record, GDR. The SDR's were obtained from the NOAA/EDIS archives and contain, among other quantities, the telemetered range measurements between the spacecraft and earth's surface, averaged radar return pulses, the altimeter status flags and the satellite latitude, longitude, and elevation. The data are output in 0.098-sec intervals. The GDR's contain processed SDR data averaged over 1-sec intervals, and the sensor, atmospheric, and surface dynamic corrections necessary to utilize the data in detailed geodetic work. Data over the ice sheets are not available from the GDR's.

To obtain the ice sheet elevation measurements, data from the SDR's are used and the appropriate corrections and adjustments applied. This subset of ice sheet data obtained from the SDR's is referred to as ice data records or IDR's. A detailed description of these records may be found in Table 1. The surface heights, located in bytes 73-76 of the IDR, are referenced to the IUGG 1980 Geodetic Reference Ellipsoid (Moritz, 1980), which is defined with a 6378.137-km semi-major axis of the earth and a flattening ratio of 1/298.257. Heights relative to sea level can be calculated by subtracting the geoid value from the surface height. Geoid values, linearly interpolated from a one-by-one degree GEM10-B geoid grid, are located in bytes 61-64 of the IDR.

Figure 2 is a map of Greenland which depicts the coverage obtained from the IDR's after data were edited and retracked (see Section 2.1). The gaps in the data are a result of the altimeter not being able to maintain valid height measurements over the rougher surfaces of the ice sheets. Table 2 gives a concise catalog of the available Seasat Greenland IDR data. Included in this table are the start and stop locations of each rev, the number of points in each rev, and the data base bins (see Section 4.0) through which each rev traverses. The rev numbers are ordered such that all ascending passes are listed first, ordered by increasing latitude as they cross 315 degrees East Longitude. Then the descending passes are listed using the same ordering criterion as for the ascending passes.

## 2.1 EDITING AND RETRACKING

As explained in Section 1.0, Seasat altimetry returns over non-ocean surfaces required special processing in order to calculate meaningful height measurements. To understand this processing one must first have an understanding of the return itself.

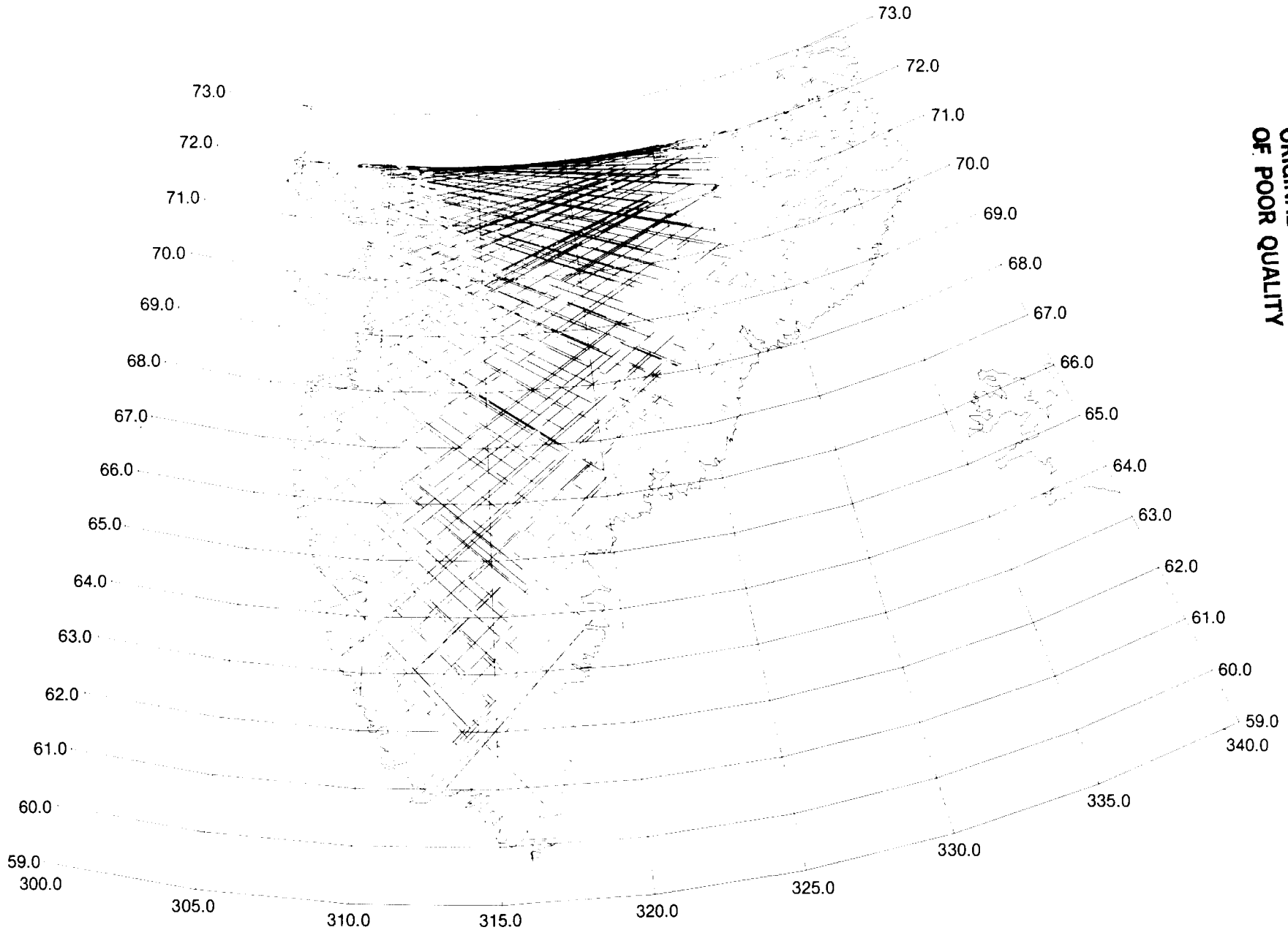



Figure 2. Seasat Greenland Groundtracks

Each altimeter return, referred to as a waveform, consists of the output of a set of 63 gates that span a height window of approximately 30 m. Each gate has a level of return associated with it measured in counts. A typical ocean return from Seasat is presented in Figure 3. The level of return in the first 22 gates is at the noise or pre-pulse level of 4 or 5 counts. The level quickly increases to a relative maximum and then slowly decreases over the latter portion of the window. There are three half-gates at the center that have a spacing of 23 cm instead of 46 cm. The tracking gate is the center of these. The on-board tracker attempts to keep the center of the return leading edge positioned at the tracking gate by predicting the travel time of each pulse based on previous returns. The measurement telemetered from the altimeter is equivalent to the travel time to the tracking gate.

Altimeter returns over non-ocean surfaces vary greatly from this ocean return. Figure 4 shows representative returns over ice sheet surfaces for a Seasat pass over Antarctica (Martin et al., 1983). The Figure 3 sea ice returns are represented by one or more sharp spikes that may or may not be at the tracking gate. As the altimeter travels onto the ice shelf, acquisition is lost, represented as a flat return. On the ice shelf the returns are shaped similar to the oceans, but again are not always centered at the tracking gate. As the satellite moves over the ice sheet, acquisition is again lost temporarily. Over the ice sheets the returns are noisy, have multiple leading edges, and the mid-point of the first leading edge is not always aligned with the tracking gate.

The measurement telemetered from the on-board tracker needs to be corrected for the variation of the mid-point of the leading edge from the tracking gate. This retracking correction, $\Delta H_{ret}$ is calculated as

$$\Delta H_{ret} = (Gm-Gt)*g2m \qquad (2.1)$$

where

Gm = gate of the mid-point of the leading edge (see Sections 2.1.3–2.1.4),

Gt = the tracking gate (29.5 where the whole gates are numbered from 0 to 59; see Figure 3), and

g2m = the conversion from gates to meters = .4684375 m/gate.

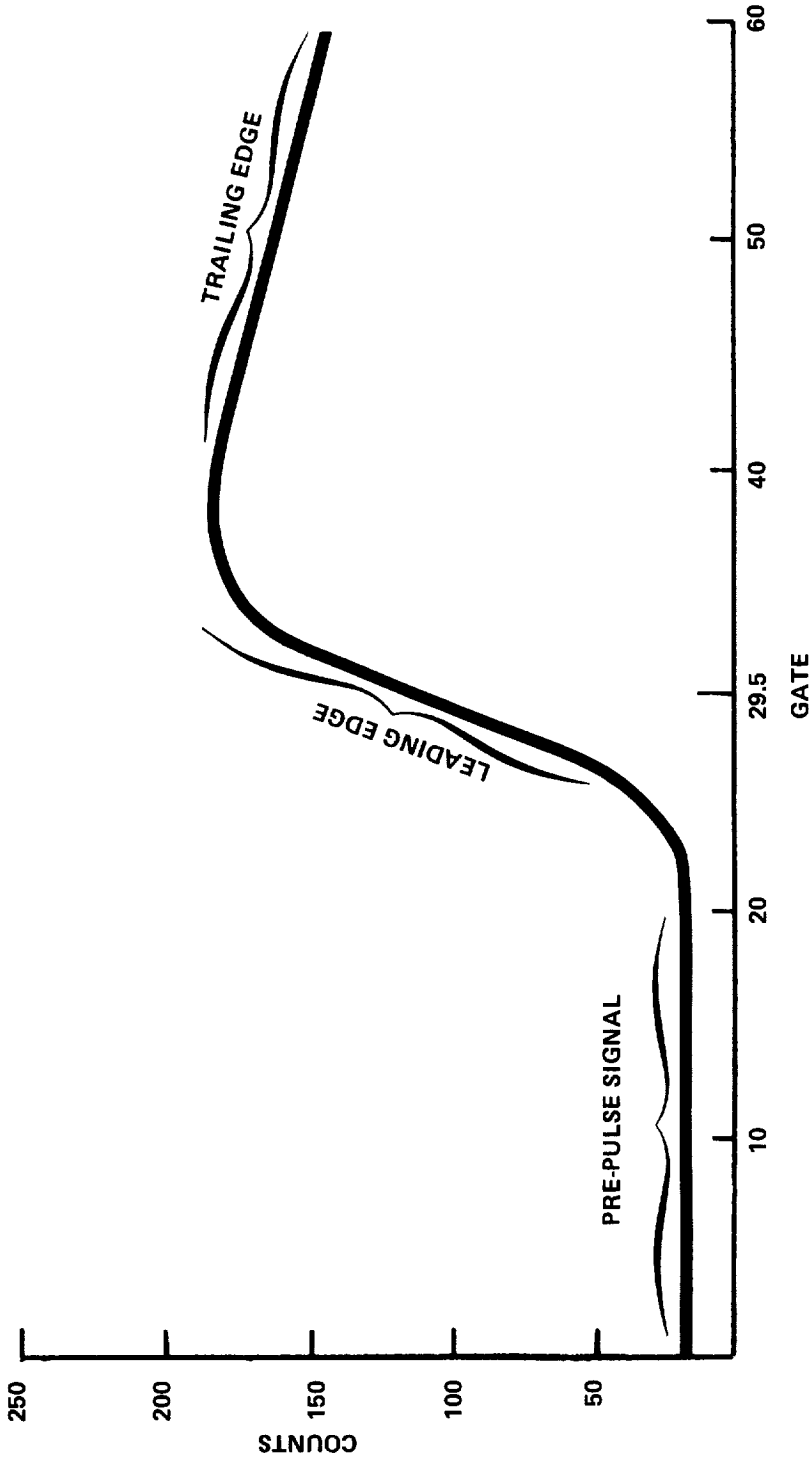



Figure 3. Ideal Ocean Altimetry Return Pulse

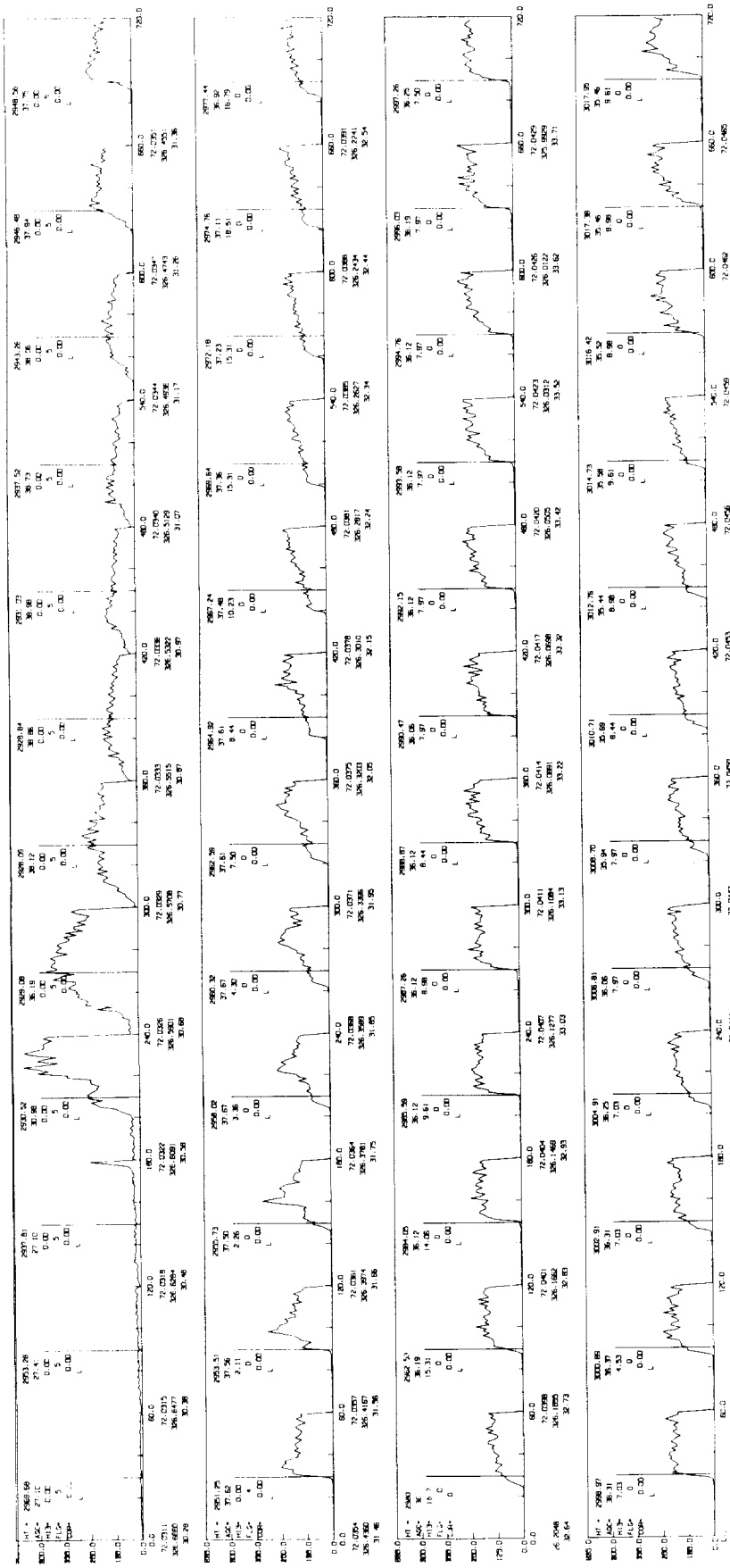


Figure 4. Seasat Ice Sheet Altimeter Waveforms

It then follows that

$$H_{ret_t} = H_{meas_t} + \Delta H_{ret_{t+1}} \quad (2.2)$$

where

$H_{ret_t}$ = the retracked altimeter measurement at time t,

$H_{meas_t}$ = the measurement calculated by the on-board tracker at time t, and

$\Delta H_{ret_{t+1}}$ = the retracking correction calculated from waveform at time t+.098 sec.

Due to the return being telemetered one time step later, the retracking correction for the measurement at time t is calculated from the return at time t+.098 sec. Methods have been developed at NASA/GSFC to calculate the $\Delta H_{ret}$ for returns over the ice sheet, ice shelf, and sea ice which can yield valid height measurements. A detailed description of these procedures may be found in Sections 2.1.3 and 2.1.4. Parameters resulting from these retracking techniques may be found in bytes 109-144 of the IDR. The criteria used to automatically select and discriminate between different types of returns are described in the next two sections.

### 2.1.1 Selecting Retrackable Non-Ocean Altimetry Returns

The SDR for Seasat includes all telemetered altimeter data even when the instrument was in calibration or standby mode. Since valid measurements could be acquired when the tracker was in acquisition mode, all data that are not in acquisition or track modes are discarded.

All tracking and acquisition returns have to meet two initial tests to determine if the waveform actually represents the initial return, or if the return is outside the tracking window.

1) The counts in the first gate must be less than 100.
2) There must be at least one gate with a count value greater than 25.

### 2.1.2 Categorizing the Returns

The remaining returns are then categorized into two groups. Group one will be referred to as specular and consists of those returns that display a sharp spike. Returns in this category are usually found in regions of sea ice or over flat, desert-type surfaces. The second group, consisting of the remaining returns, is called diffuse and resembles ocean returns. These returns

are found over continental ice and the ice shelves. Different methods are used to retrack each group.

Returns are automatically categorized as either diffuse or specular depending on the existence of a significant spike in the return. To determine this the following algorithm is used. The noise level, Yn, is calculated as the average number of counts in the first five gates. The maximum, Ymax, is calculated as the maximum number of counts in any gate. The value Ymed is then calculated using the equation

$$Ymed = \frac{(Ymax-Yn)}{2.0} + Yn \quad . \tag{2.3}$$

The gate number, Gmid, is then found as the first gate where the number of counts exceeds Ymed. Two sums of consecutive counts from the signal are then formed, Ylow and Yhigh, where

$$Ylow = \sum_{i=Gmid}^{i=Gmid+9} Y_i \tag{2.4}$$

$$Yhigh = \sum_{i=Gmid+10}^{i=Gmid+20} Y_i \quad . \tag{2.5}$$

If Gmid is so large that there are less than 20 remaining gates, then the number of gates used to form the sums is adjusted. When the ratio of Yhigh/Ylow is $\leq$ 0.7, the return is considered specular.

### 2.1.3 Retracking Specular Type Returns

Specular waveforms are not found in the Seasat altimeter data over Greenland. This is probably due to the absence of sea ice near Greenland during Seasat's lifetime. As a result, all of the Greenland returns are retracked using the diffuse method. However, for the sake of completeness, the method used to retrack specularly shaped returns, which is employed in the region of the Antarctic, will be discussed.

Specular-type returns are defined for this procedure as being characterized by one or more extremely sharp spikes and are retracked by attempting to locate the mid-point or half-power point of the first significant spike. In addition, since the shape of the return essentially records topographic characteristics, parameters are also calculated which define the shape of a single-or double-peak return. Figure 5a shows the five-parameters required to define a single-peak return, while Figure 5b shows the nine-parameters required for a double-peak return.

2.1.3.1 Half-power Point of First Significant Peak

In determining the mid-point of the first significant spike, the location of this spike must first be found. The value of Ymed, which is calulated to determine whether or not the return is specularly shaped (Equation 2.3), is used. Starting with the gate number prior to Gmid, where Gmid is define to be the gate number whose counts exceed Ymed, a gate is sought whose counts exceed or equal 25% of the difference between Ymax and Yn. Upon finding this gate, Grise, it is determined to be the first significant spike if the following conditions are met:

$$Y_{Grise+1} - Y_{Grise} < 0. \quad \text{for} \quad Y_{Grise} > Ymax * .3 \tag{2.6}$$

where

$Y_{Grise}$ is the counts for gate Grise, and

$Y_{Grise+1}$ is the counts for gate Grise+1 .

Smaller, more rounded waveforms, which might be encountered in the vicinity of an ice shelf, require that the following condition be met:

$$Y_{Grise+1} - Y_{Grise} < (Ymax-Yn) * .05 \quad \text{for} \quad Y_{Grise} \leq Ymax * .3 \ . \tag{2.7}$$

Grise is incremented by one, up to the maximum number of gates, until one of the above conditions is met, after which the gate of the first significant spike, G1st, and its corresponding counts, Y1st, are used to determine the half-power point of the peak. The count value at the half-power point, Ymid1, is determined as follows:

$$Ymid1 = \frac{(Y1st-Yn)}{2.0} + Yn \ . \tag{2.8}$$

The exact gate location of the half-power point, Gtmid1, is then determined by performing a linear interpolation for the count value Ymid1 located between gates X1 and X2, with corresponding count value Y1, Y2.

2.1.3.2 Remaining Parameters to Define Shape

In order to define the exact shape of the specular returns depicted in Figures 5a and 5b, it is necessary to calculate several other parameters in addition to the noise level, the maximum counts of the first significant peak, and the gate location of the half-power point. For the single- and double-peak return, additional quantities which define the width of the significant peak and slope at the half-power point are defined. A double-peak return has four additional quantities calculated: the maximum counts for the second significant peak, the gate location of the half-power point for the second peak, the slope at the second half-power point, and the minimum counts found between the two significant peaks.

The slopes at the half-power point for both the first and second significant peaks, Slp1st and Slp2nd, are determined by the following algorithm:

$$\text{Slp1st} = \frac{\text{Y2} - \text{Y1}}{\text{X2} - \text{X1}} \quad . \tag{2.9}$$

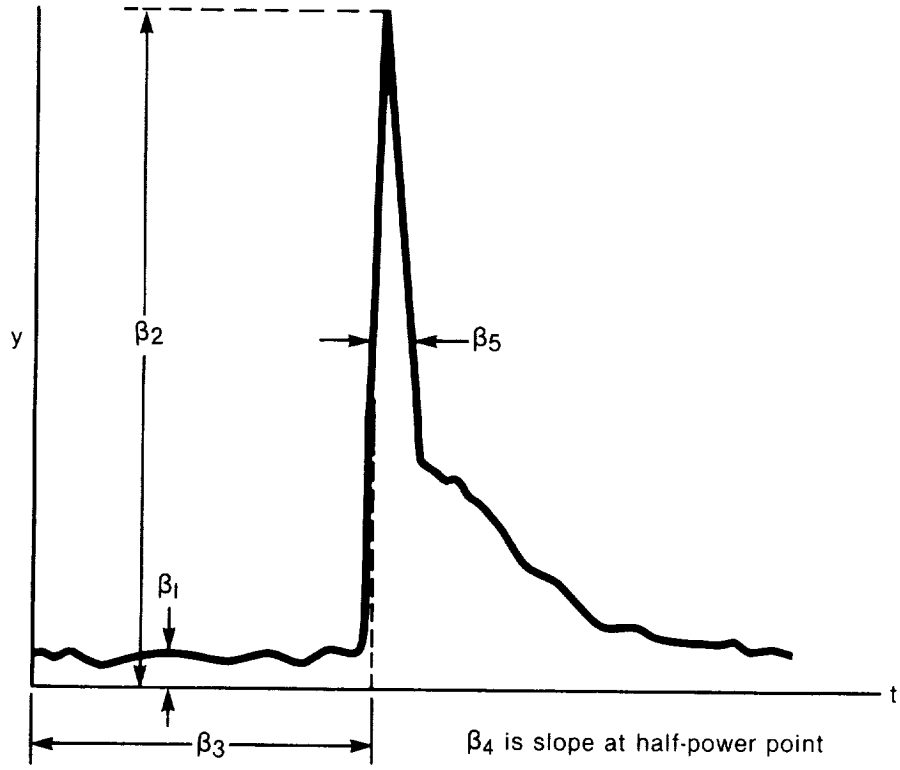
Slp2nd uses the gate locations and corresponding counts determined to surround the half-power point of the second significant peak. These values are found in a manner similar to that of the first peak.

The actual existence of a second significant peak is determined in the following manner. Starting with the gate location of the first significant peak, the difference between counts of consecutive gates is monitored. As soon as the change in successive gates becomes negative, at gate location Gcntmin, it is assumed that another peak has been encountered. At this point, a sum if formed, Totup, which totals the counts in all gates following the Gcntmin. When Totup equals or exceeds 9% of Y1st then the second peak is considered significant. The gate at which the second peak occurs, X2nd, is determined to occur when the difference in the counts of consecutive gates becomes positive.

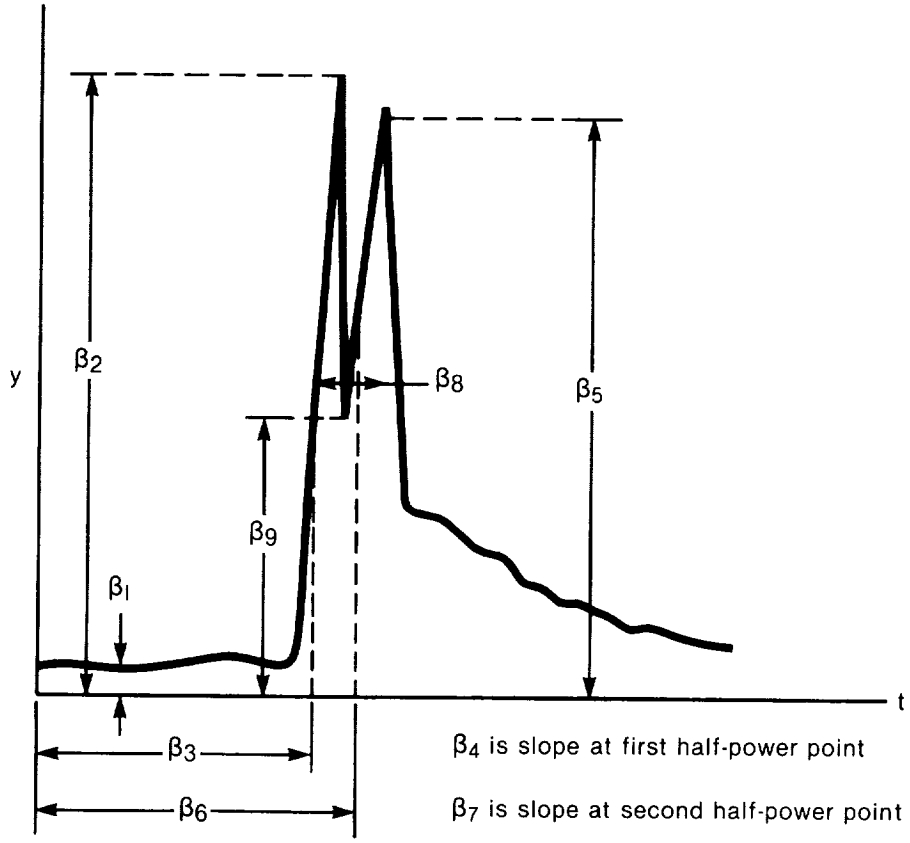
The counts at the second significant peak, Y2nd, are then used in the following manner to calculate the counts at the half-power point of the second peak, Ymid2:

$$\text{Ymid2} = \frac{(\text{Y2nd}-\text{Cntmin})}{2} + \text{Cntmin} \quad . \tag{2.10}$$

(a) Single Peak




(b) Double Peak




Figures 5a and 5b. Specularly Shaped Waveforms

Again, a linear interpolation is performed in a manner identical with the first significant peak to determine the exact gate location of the second significant peak half-power point, Gtmid2.

The final parameter to be determined is the total width of the peak or peaks at the first half-power point. The width is defined as the number of gates between Gtmid1 (Section 2.1.3.1) and the location, Gtrail, where the trailing edge passes through Ymid1 (Equation 28). The width is computed as follows:

$$\text{Width} = \text{Gtrail} - \text{Gtmid1} \quad . \tag{2.11}$$

In summary, the parameters for a specular return with a single significant peak are as follows:

$$\begin{aligned} \beta_1 &= \text{Yn} \\ \beta_2 &= \text{Y1st} \\ \beta_3 &= \text{Gtmid1} \\ \beta_4 &= \text{Slp1st} \\ \beta_5 &= \text{Width} \quad . \end{aligned} \tag{2.12}$$

The parameters for a specular return with double significant peaks are as follows:

$$\begin{aligned} \beta_1 &= \text{Yn} \\ \beta_2 &= \text{Y1st} \\ \beta_3 &= \text{Gtmid1} \\ \beta_4 &= \text{Slp1st} \\ \beta_5 &= \text{Y2nd} \\ \beta_6 &= \text{Gtmid2} \\ \beta_7 &= \text{Slp2nd} \\ \beta_8 &= \text{Width} \\ \beta_9 &= \text{Cntmin} \quad . \end{aligned} \tag{2.13}$$

### 2.1.4 Retracking Diffuse-Type Returns

The method used to retrack the diffuse return is to model the return with a function that has the retracking position (the mid-point of the leading edge) as a parameter. The Bayesian least-squares method (Ref. 8) is used to solve for the parameters of the function that best fit the return. For this method, initial estimates of the parameters must be provided. Weights are given to these initial estimates that designate how well each parameter is known relative to the others.

Residuals are then calculated between the return value and the function value at each gate. These residuals are weighted based on their proximity to the mid-point of the leading edge position. A minimum to the sum of these squared weighted residuals is sought by an iterative method which simultaneously adjusts all of the function parameters. The process is repeated until convergence or until the maximum number of iterations is reached. Because linear methods are used to solve a non-linear problem the procedure can be numerically unstable. Checks are done to assure the reasonableness of the results. The key to making this method function correctly is in the choice of the initial estimates and weighting functions.

The theory of solving for the function parameters using Bayesian least-squares can be found in Ref. 8. The actual equations used will be presented here without justification.

Given an overdetermined set of equations MX=R where

$$M = \text{the matrix of partials} \quad \begin{bmatrix} \frac{\partial c_1}{\partial \beta_1} & \cdots & \frac{\partial c_1}{\partial \beta_n} \\ \vdots & & \\ \frac{\partial c_m}{\partial \beta_1} & \cdots & \frac{\partial c_m}{\partial \beta_n} \end{bmatrix} \qquad m > n \tag{2.14}$$

$$x = \text{column vector} = \begin{bmatrix} \beta_{c1} - \beta_1 \\ \vdots \\ \beta_{cn} - \beta_n \end{bmatrix} \tag{2.15}$$

$$R = \begin{bmatrix} m_1 & -c_1 \\ & \vdots \\ m_m & -c_m \end{bmatrix} \tag{2.16}$$

and

$m_i$ = observed value (counts at t=gate i),

$c_i$ = calculated values of $m_i$ based upon a given set of parameters $\beta$,

$\beta_j$ = current best estimate of the model parameters $\beta$,

$\beta_{cj}$ = corrected best estimate of the model parameters $\beta$,

i = gate number (0 – 59), and

n = number of parameters in the function.

We can then define a weight matrix, W

$$W = \begin{bmatrix} wt_1 & & 0 \\ & \ddots & \\ & & \ddots \\ 0 & & wt_m \end{bmatrix} \tag{2.17}$$

where $wt_i$ is the weight associated with each observation i.

If we multiply both sides of the equation by W we get

$WMX = WR$ .

Multiplying through by $M^T$ gives

$$M^TWMX = M^TWR \; . \tag{2.18}$$

The solution of X is solved for as

$$X = [M^TWM]^{-1} \; M^TWR \tag{2.19}$$

where $M^TWM$ is referred to as the normal matrix. To add information as to the validity of the current best estimate of the model parameters the a priori covariance matrix $V_o$ is included

$$V_o = \begin{bmatrix} wt_{\beta 1} & & 0 \\ & \ddots & \\ & & \ddots \\ 0 & & wt_{\beta n} \end{bmatrix} \tag{2.20}$$

where $wt_{\beta j}$ = weight associated with the a priori value of parameter j. This matrix is then added to the normal matrix before it is inverted so the equation becomes

$$X = [M^T W M + V_o]^{-1} \; M^T W R \; . \tag{2.21}$$

X then is the vector giving the new best estimate of the $\beta$ parameters.

2.1.4.1 The Function Representing the Altimeter Return

It has been shown (Miller and Brown, 1974) that the mean return waveform over a Gaussian surface can be mathematically described using the function

$$c(t) = \beta_1 + \beta_2 * P \; (W) \tag{2.22}$$

where

$$P(W) = \int_{-\infty}^{W} Z(q) \; dq \tag{2.23}$$

$$Z(q) = \frac{1}{\sqrt{2\pi}} \exp \left( \frac{-q^2}{2} \right) \tag{2.24}$$

$$W = \frac{t-\beta_3}{\beta_4} \; . \tag{2.25}$$

This assumes that the pointing angle errors have negligible effects on the waveform shape. This also represents the ice sheet waveforms very well if it is modified to include a slope to the trailing edge. The modified function used to represent the diffuse-type waveforms is chosen as

$$c(t) = \beta_1 + \beta_2 (1 + \beta_5 Q(x)) \; P \; (W) \tag{2.26}$$

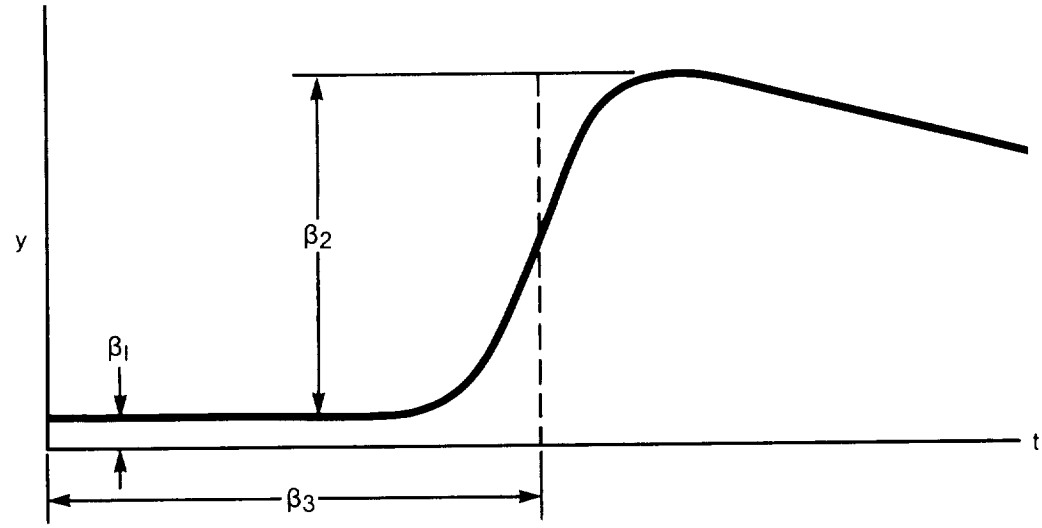
where

$$Q(x) = 0 \text{ for } t < \beta_3 + 0.5 \, \beta_4$$

$$= t-x \text{ for } t > \beta_3 + 0.5 \, \beta_4 \; .$$

This is plotted in Figure 6a where

(a) Single-Ramp Function




$\beta_4$ Is the waveform risetime parameter

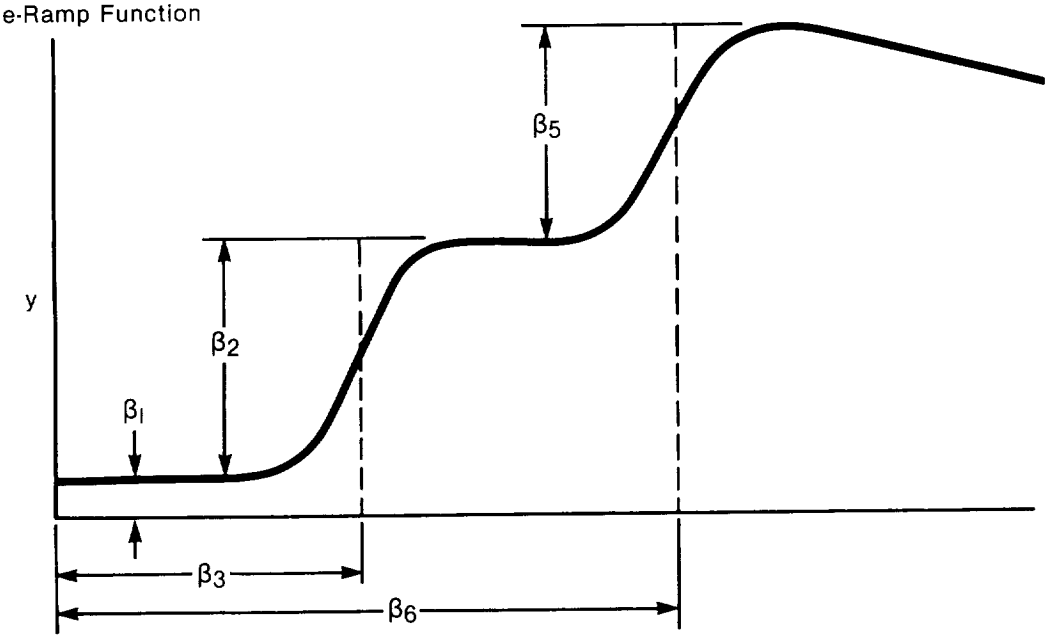
$$y = \beta_1 + \beta_2 (1 + \beta_5 Q) P \frac{(t - \beta_3)}{\beta_4}$$ where Q = 0 for $X < \beta_3 + 0.5\,\beta_4$

= 1 for $X \geq \beta_3 + 0.5\,\beta_4$

$X = t - (\beta_3 + 0.5\,\beta_4)$

$$P(z) = \int_{\infty}^{z} \frac{1}{\sqrt{2\pi}} \exp(-q^2/2)\, dq$$

(b) Double-Ramp Function




$\beta_4$ and $\beta_7$ are risetime parameters for the 1st and 2nd ramp respectively

Where $y = \beta_1 + \beta_2' P \frac{(t - \beta_3)}{\beta_4} (1 + \beta_9 Q(x_1)) + (\beta_5 P \frac{(t - \beta_6)}{\beta_7} (1 + \beta_3 (Q(X_2))$

$X_1 = t - \beta_3 - 0.5\,\beta_4$ $\quad Q(x) = 0$ for $x < 0$ $\quad P(z) = \int_{-\infty}^{z} \frac{1}{\sqrt{2\pi}} \exp(-q^2/2)\, dq$

$X_2 = t - \beta_6 - 0.5\,\beta_7$ $\quad = 1$ for $x \geq 0$

Figures 6a and 6b. Diffusely Shaped Waveforms

$$x = \beta_3 + 0.5\,\beta_4 \ .$$

The partials of this function with respect to each parameter are

$$\frac{\partial c}{\partial \beta_1} = 1.0 \tag{2.27}$$

$$\frac{\partial c}{\partial \beta_2} = P[W] + \beta_5\, Q\, P[W] \tag{2.28}$$

$$\frac{\partial c}{\partial \beta_3} = -\beta_2 \left\{ \frac{(1+\beta_5 Q)}{\beta_4} \frac{\partial P}{\partial W} + P(W)\,\beta_5 \right\} \tag{2.29}$$

$$\frac{\partial c}{\partial \beta_4} = \beta_2 \left\{ \frac{(1+\beta_5 Q)}{\beta_4} \frac{\partial P}{\partial W} W + \beta_5 \frac{P(W)}{2} \right\} \tag{2.30}$$

$$\frac{\partial c}{\partial \beta_5} = \beta_2 Q\, P[W] \tag{2.31}$$

where

$$\frac{\partial P}{\partial W} = \frac{1}{\sqrt{2\pi}} \exp\left(\frac{-W^2}{2}\right) .$$

The value of $\beta_3$ is the mid-point of the leading edge, Gm. As previously noted, some of the returns display multiple leading edges. A nine-parameter function is used to represent these returns, where the mid-point of the first leading edge is still $\beta_3$. The mid-point of the second leading edge, $\beta 6$, probably represents a return from another surface in the footprint and is being stored for future use. The nine-parameter function is

$$c(t) = \beta_1 + \beta_2\, P(W_1)\, (1+\beta_9 Q(x_1)) + \beta_5\, P(W)\, (1+\beta_8\, (Q(x_2)) \tag{2.32}$$

This is plotted in Figure 6b where

$$x_1 = t-\beta_3-.5\ \beta_4$$

$$x_2 = t-\beta_6-0.5\ \beta_7$$

$$W_1 = \frac{t-\beta_3}{\beta_4}$$

$$W_2 = \frac{t-\beta_6}{\beta_7}$$

The partials of this nine-parameter function are

$$\frac{\partial c}{\partial \beta_1} = 1.0 \tag{2.33}$$

$$\frac{\partial c}{\partial \beta_2} = P(W_1)\ [1+\beta_9]\ Q_1 \tag{2.34}$$

$$\frac{\partial c}{\partial \beta_3} = -\beta_2\ [\frac{(1+\beta_9 Q_1)}{\beta_4}\ \frac{\partial P}{\partial W_1} + P(W_1)\ \beta_9] \tag{2.35}$$

$$\frac{\partial c}{\partial \beta_4} = -\beta_2\ [\frac{(P(W_1)\beta_9}{2} + \frac{(1+\beta_9 Q_1)}{\beta_4}\ \frac{\partial P}{\partial W_1}\ W_1\ ] \tag{2.36}$$

$$\frac{\partial c}{\partial \beta_5} = 1 + \beta_8\ Q_2\ P(W_2) \tag{2.37}$$

$$\frac{\partial c}{\partial \beta_6} = -\beta_5\ [P(W_2)\ \beta_8 + \frac{(1+\beta_8 Q_2)}{\beta_7}\ \frac{\partial P}{\partial W_2}] \tag{2.38}$$

$$\frac{\partial c}{\partial \beta_7} = -\beta_5 \left[ \frac{(1+\beta_8 Q_2)}{\beta_7} W_2 \frac{\partial P}{\partial W_2} + \frac{P(W_2)}{2} \beta_8 \right] \quad (2.39)$$

$$\frac{\partial c}{\partial \beta_8} = \beta_5 \; Q_2 \; P(W_2) \quad (2.40)$$

$$\frac{\partial c}{\partial \beta_9} = \beta_2 \; Q_2 \; P(W_1) \; . \quad (2.41)$$

2.1.4.2 Setting the Initial Estimates for the Parameters

Initial estimates of each parameter are calculated from each individual return. To calculate these the general shape of the waveform is mathematically described by defining a mean slope and average value (bias) for every whole gate. For gates 4 through 56, the mean slopes and biases correspond to a straight line that is fit using least-squares minimization through the gate in question and the six surrounding gates. The biases for gates 1 through 4 are taken as the gate values and the slopes are defined as zero. For gates 57 through 60 the biases are the gate values and the slopes are defined as the slope calculated for gate 56. This set of slopes and biases is then interrogated to determine the locations of the leading edges and how many occur in the waveform.

The conditions required for a leading edge at gate Ir are:

1) The Slope(Ir) must be greater than a given value, Thsl. A value of Thsl=0.5 count/gate is used to find the first leading edge, for succeeding leading edges Thsl is set to 1.0 count/gate. These numbers were chosen by visually and mathematically evaluating many typical ice sheet waveforms to determine when a leading edge designating a valid return could be perceived.

2) The Slope(Ir) must be a relative maximum, ie:

   Slope(Ir) > Slope (Ir−1)
   Slope(Ir) > Slope (Ir+1) .

3) There must be a significant increase in counts after the leading edge compared with that before the leading edge, i.e.:

Bias(Ir+3)-Bias(Ir-3) > Thbs

where

Thbs = 13.5 counts for first leading edge

= 20.0 counts for succeeding leading edge.

4) If there was a leading edge already detected within 3 gates of Ir then the location is taken as that with the larger slope.

The initial estimates of the function parameters are then calculated from the position of the leading edge(s) and the Slopes and Biases. The five-parameter function (2.26) is used when only one leading edge is found, the nine-parameter function (2.32) is used when two or more leading edges are found.

Initial estimates, $\beta_1^o$, and the corresponding standard deviations of these estimates, Sig(1) through Sig(5), for the five-parameter function are defined as:

$\beta_1^o$ = Bias(4) (counts)

$\beta_2^o$ = Bias(Ir+3)–Bias(4) (counts)

$\beta_3^o$ = Ir (gate)

$\beta_4^o$ = {[Bias(Ir+3)–Bias(Ir–3)]/ Slope(Ir)}*0.5 (gate)

$\beta_5^o$ = 0.0 (count/gate)

Sig(1) = 0.01 (count)

Sig(2) = 10.0 (counts)

Sig(3) = .1 $\beta_o$(4) (gates)

Sig(4) = .01 $\beta_o$(4) (gates)

Sig(5) = .01 (count/gate).

(2.42)

Initial estimates and the corresponding standard deviations for the nine-parameter function are defined as:

| | | | |
|---|---|---|---|
| $\beta_1^o$ = | Bias(4) (counts) | Sig(1) = | .01 (count) |
| $\beta_2^o$ = | Bias(Ir1+3)–Bias(4) (counts) | Sig(2) = | 0.1 (count) |
| $\beta_3^o$ = | Ir1 (gates) | Sig(3) = | .05 $\beta_o$(4) (gates) |
| $\beta_4^o$ = | {[Bias(Ir1+3)–Bias(Ir1–3)]/ Slope(Ir1)}*0.5 (gates) | Sig(4) = | .005 $\beta_o$(4) (gates) |
| $\beta_5^o$ = | Bias(Ir2+3)–Bias(Ir1+3) (counts) | Sig(5) = | 0.1 (count) |
| $\beta_6^o$ = | Ir2 (gates) | Sig(6) = | .05 $\beta_o$(7) (gates) |
| $\beta_7^o$ = | {[Bias(Ir2+3)–Bias(Ir2–3)] Slope(Ir2)} (gates) | Sig(7) = | .005 $\beta_o$(7) (gates) |
| $\beta_8^o$ = | 0.0 (count/gate) | Sig(8) = | .01 (count/gate) |
| $\beta_9^o$ = | 0.0 (count/gate) | Sig(9) = | .01 (count/gate) |

(2.43)

where

Ir1 is the predicted gate corresponding to the mid-point of the first leading edge

Ir2 is the predicted gate corresponding to the mid-point of the second leading edge.

2.1.4.3 Calculating the Weight Matrix, W

The weight associated with each observation, $wt_l$, is selected to optimize the fit in the vicinity of the leading edge.

$$wt_l = 1 + K_1 * [\exp(K_2) + K_3] \tag{2.44}$$

where

$K_1$ = $(I_{ter}-1) * 0.5$

$I_{ter}$ = iteration number

$K_2$ = $T_c + 0.5$

= Min ($K_2$, 60)

= Max ($K_2$, 1)

$T_c$ = $X_l - \beta_3$ – Max (5.0, $\beta_4$) for 5-parameter function

$= X_i - \beta_6 - \text{Max}(5.0, \beta_7)$ for 9-parameter function

$X_i$ = gate number of the ith observation

for the five-parameter function

$K_3 = 0$ for $|T_c| \geq 2.0$

$= 1$ for $|T_c| < 2.0$

for the nine-parameter function

$K_3 = 0$ for $|T_c| \geq 5.0$

$= 1$ for $|T_c| < 5.0$ .

2.1.4.4 Calculating the Covariance Matrix, $V_o$

A priori values of $V_o$ are calculated from the sigmas in equations (2.42) and (2.43) as follows:

$$w_{t_{\beta_j}} = w\text{scale}/\text{Sig(j)}^2 \quad (2.45)$$

$$w\text{scale} = 1 + .6 * K * H1/3/(120*g2m) \quad (2.46)$$

$H1/3 = 1.875 * \beta_4$

$K = 4$

Using the function, $w$scale, causes the initial estimate information to have a greater effect on the solution when the rise time is large.

After each iteration, n, the values of Sig(3), Sig(4) and K are altered as follows:

$\text{Sig(3)} = \text{Sig(3)}_{n-1} * 0.1$

$\text{Sig(4)} = \text{Sig(4)}_{n-1} * 10.0$

$$K = K_{n-1} + .5 \quad .$$

This has the effect of weighting the current best estimate of the leading edge position more and the rise time of the leading edge less. This has proven to speed up convergence.

2.1.4.5 Method of Iteration

An interative scheme is used starting out with the initial estimate of the $\beta$ parameters. The Bayesian least-squares method is then used to solve for another set of $\beta$ parameters that better fits the data. Iterations are performed always using the current set for the best estimate until $\Delta H_{ret}$, as calculated from $\beta_3$ (2.1), converges to within 10 cm or the number of iterations exceeds 7.

Each succeeding set of $\beta$ parameters is checked for reasonableness using these criteria:

$0.0 < \beta_2$
$0.0 < \beta_3 < 60.0$
$0.0 < \beta_4$
$\beta_3 < \beta_6 < 60.0$
$0.0 < \beta_7$ .

If any of the criteria fail, then the fit is considered unsuccessful and the waveform is discarded.

After convergence or the maximum number of iterations is reached, tests are then made to assure that the values reasonably represent the return. The rms of the residuals between the waveform and the function for the portion of the waveform from gate zero to just past the top of the leading edge is calculated.

$$RMS_E = \frac{\sum_{i=1}^{Iedit} (C_i - m_i)^2}{Iedit}$$

where

$Iedit = \beta_3 + 0.5\,\beta_4$ for the five-parameter function

$= \beta_6 + 0.5\,\beta_7$ for the nine-parameter function.

If $RMS_E$ is greather than 20.0 counts then the fit is unacceptable. If the nine-parameter function is being fit and the process is unsuccessful, then the initial estimates are reset to

coincide with the initial estimates for the first leading edge and a five-parameter fit is tried. If problems occur during the five-parameter fit, the initial estimates are altered so that the leading edge position is taken as the gate, $I_r$, where Slope ($I_r$) (as defined in Section 2.1.4.2) is a maximum for the waveform. If the fit is still unsuccessful, then the waveform is discarded.

The procedures explained here and the numerical values given yield the best results to date. Wherever possible values were chosen based on theory, but many times trial and error was necessary. At the time the Seasat Greenland data were processed, the procedures and numerical values differed slightly. There was no $RMS_E$ check as explained in the last part of Section 2.1.4.5, nor were the initial parameter values altered if an unsuccessful fit was made. The variables that were different and their values for the Greenland processing were:

Thbs = 5.0 counts for the first leading edge
= 10.0 counts for the second leading edge

Sig(3) = $\beta_o(4)$ (for the five-parameter function)

Sig(4) = $0.1\ \beta_o(4)$.

A direct consequence of these differences was that the entire Greenland data set had to be visually reviewed to assure that the fit adequately represented the data. This resulted in approximately 1% of the data being discarded which would not have been rejected using newer methods. The newer methods described here identify these problems automatically.

## 2.2 SENSOR-RELATED CORRECTIONS

After the ice altimeter data are edited and retracked, the precise orbits from NASA/GSFC (PGS-S4) are used to calculate the measured ice sheet elevation above the ellipsoid (Lerch et al., 1982). Corrections are then applied to correct for sensor-related biases.

Both the time tag and center of gravity corrections are calculated using the algorithms released by JPL (Lorell, 1979). These are summarized below.

### 2.2.1 Time Tag Correction

The SDR time tag, $t_{SDR}$, is corrected for a track mode correction and a signal travel time correction so that the resultant data time, t, refers to the time of signal reflection from the ice sheet.

$$t = t_{SDR} - 0.0794 + H/c \quad (2.47)$$

where

$c$ = $2.99792458 \times 10^8$ m/sec,

$H$ = spacecraft altitude in meters, and

0.0794 is the track mode correction in seconds.

### 2.2.2 Center of Gravity Correction

The correction applied to make the spacecraft center of gravity the height reference point is

$$\Delta H_{cg} = Z_{cg} - Z_{cone} \quad (2.48)$$

where

$Z_{cg}$ = the distance from the altimeter base plate to the spacecraft center of gravity. This varied during the flight due to maneuvers. Table S-07 of Lorell (1979) is used to obtain $Z_{cg}$

$Z_{cone}$ = −1.238 m which is the sum of the distance from the feed flange on the antenna to the base plate and a distance corresponding to a time bias in the electronic circuitry.

This correction is located in bytes 49-52 of the IDR.

## 2.3 ATMOSPHERIC CORRECTIONS

The measurements are corrected for ionospheric and tropospheric refraction using parameters supplied by JPL on the GDR's (Lorell et al., 1980).

### 2.3.1 Ionosphere Correction

The ionosphere correction for the ice data, $\Delta H_{ION}$, is calculated by linearly interpolating from the ionosphere corrections on the GDR's. Bytes 57-60 on the IDR contain the value of this correction. A detailed description of the algorithm used is given in Lorell et al., (1980).

### 2.3.2 Troposphere Correction

The wet tropospheric correction is calculated using the following equations explained in Lorell et al., (1980).

$$\Delta H_{TROP_{WET}} = 2.277*10^{-3}*E_o(1.25503/T_K+0.5) \quad (2.49)$$

where

$$E_o = 6.11*H_R*10^{(7.5*T_K-273.16)/(T_K-35.86)},$$

$T_K$ is the surface temperature calculated by assuming a linear temperature profile with boundary conditions:

at sea level $T_K = 2.73.0K$

at 3200m above sea level $T_K = 243.0K$, and

$H_R$ is the relative humidity (assumed to be 100% over the ice sheet).

The dry tropospheric correction is calculated from the equation

$$\Delta H_{TROP_{DRY}} = 2.277*10^{-3}*\{P*[1.0+0.0026*\cos(\phi)]\} \quad (2.50)$$

where

$\phi$ = subsatellite latitude,

$P = P_o * (1.0-1.1138*10^{-4} * Ht)$,

$P_o$ - is the atmospheric pressure interpolated from the GDR's, and

Ht - is the ice sheet elevation above sea level in meters.

The total height correction due to the troposphere is

$$\Delta H_{TROP} = \Delta H_{TROP_{WET}} + \Delta H_{TROP_{DRY}}. \quad (2.51)$$

The troposphere correction may be found in bytes 53-56 of the IDR.

## 2.4 SURFACE DYNAMIC CORRECTIONS

The solid earth tides are computed by linearly interpolating their values from the GDR's. The resultant interpolated value may be found in bytes 83-84 of the IDR.

## 2.5. ORBITAL CORRECTIONS

The NASA/GSFC PGS-S4 orbits which are used to improve the height measurements, have rms radial errors of 1.5 m. In an effort to reduce the radial error of these orbits, a technique was devised to further improve the orbit accuracy by referencing the orbits to a common ocean surface. Previous attempts to adjust the orbits using crossover minimization techniques with the ice sheet crossovers proved unsuccessful due to extreme segmentation of the data (see Figure 2). The new technique is not dependent upon the ice data but upon ocean altimetry, and utilizes the smoothed Seasat 84306 global ocean surface (Marsh et al., 1986). Through crossover minimization techniques the radial orbit error for the 84306 ocean surface has been reduced to 11 cm in the open ocean areas.

The method involves obtaining the residuals between the Seasat ocean data for passes which traverse Greenland, and the smoothed 84306 ocean surface. Using least-squares minimization, these residuals are then fit to a linear or quadratic function depending on the proximity of the data to Greenland. The function is, in turn, interpolated or extrapolated to determine the value of the orbit adjustment over Greenland which is to be subtracted from the surface height. This function is of the following form:

$$f(t) = C_0 + C_1 \Delta t + C_2 \Delta t^2 \qquad (2.52)$$

where

$C_0, C_1, C_2$ are the coefficients of the fit where the units are meters, meters/fractions of a day and meters/(fractions of a day)$^2$, respectively, and

$\Delta t$ is the time from the start of the pass in fractions of a day.

Since this method attempts to adjust for orbit error only, the ocean data which are used must have all sensor, atmospheric, and surface dynamic corrections applied. The ocean data used in the adjustment are obtained from the Seasat Geophysical Data Records (GDR's), as corrected by JPL (Lorell et al., 1980).

Since the orbit error is strongly periodic, with a dominant frequency of two cycles per one revolution, only data from the northern hemisphere need to be used in computing the orbit adjustment over Greenland.

The distribution of the data affects the way in which the residuals are fit. To aid in categorizing the distributions of data, the northern hemisphere is subdivided into five ocean regions: 1) the area to the east of Greenland and within 1000 km. of the coast; 2) the area to the east of Greenland from 1000 km. from the coast to the Greenwich meridian; 3) the Indian Ocean; 4) the area to the west of Greenland between Greenland and North America; and 5) the Pacific Ocean (see Figure 7). The type of fit performed depends upon particular regions containing a minimum amount of data. If the criteria are not met, then no fit is performed.

Figure 7 summarizes the type of fit which is performed depending upon the region(s) in which data are found. An 'X' in regions 1, 2, 3 or 5 represents a minimum of 10 points, while region 4, due to its limited open ocean area, requires a minimum of 19 points. Linear fits are performed when data are found either very close to Greenland or are widely separated from Greenland. Quadratic fits are performed when the data are more evenly distributed over several regions.

After the coefficients for the fit are initially determined, outlying data which satisfy the following criterion are removed:

$$|H(t)-f(t)| \geq m * RMS \tag{2.53}$$

where

m is an integer editing multiplier,

RMS is the rms between the residual heights and the function f(t), and

H(t) is the surface elevation of the datum point.

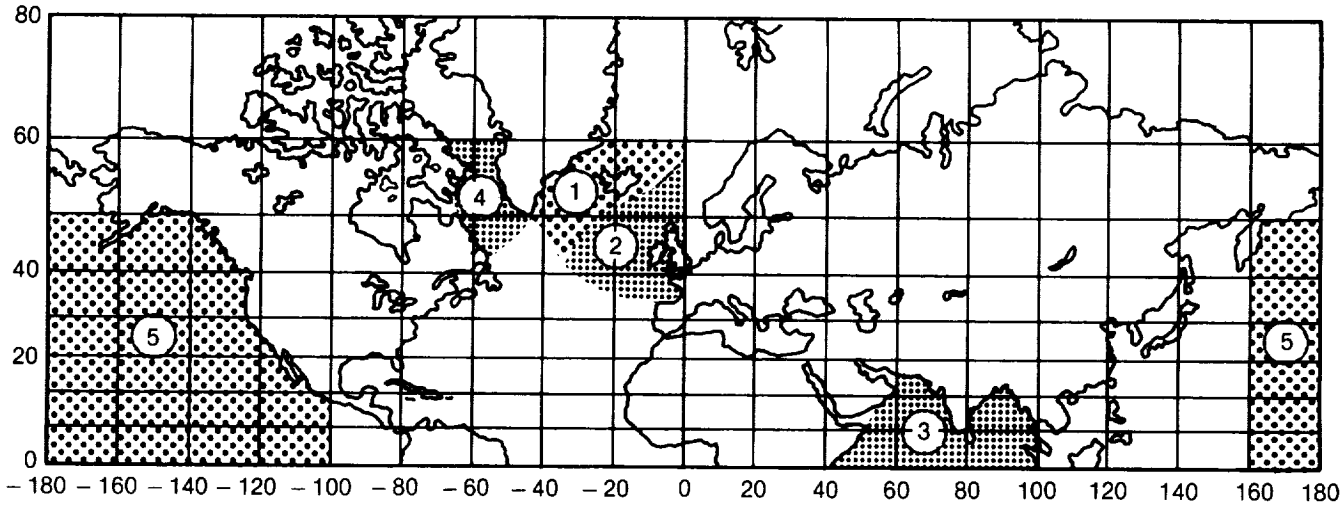



Figure 7. Orbit Adjustment Regions and Effects of Data Distribution on the Orbit Adjustment Fit

| REGIONS (MINIMUM NUMBER OF POINTS | | | | | TYPE OF FIT L = LINEAR Q = QUADRATIC |
|---|---|---|---|---|---|
| 1 (10) | 2 (10) | 3 (10) | 4 (19) | 5 (10) | |
| X | | | X | | L |
| X | | | | | L |
| | | | X | | L |
| | | X | | X | L |
| | X | | | X | L |
| X | | | | X | Q |
| | X | X | | X | Q |
| | | X | X | | Q |
| | X | | X | | Q |

'X' INDICATES A REGION CONTAINING THE MINIMUM NUMBER OF POINTS

The remaining data are then used to solve for the function. This process is repeated until either the latest computed rms does not change by more than .02 m from the previous iteration, or 15 iterations are completed. In the case of the Seasat Greenland data, an editing multiplier of 4.0 is used with an initial rms of 20.0 m.

After solving for the coefficients and removing outliers, the function must satisfy a final test. For a linear function, the orbit adjustments are computed at the endpoints of the pass. If the absolute value of the orbit adjustment at either endpoint exceeds 3.0 m, then the function is not used. In the case of a quadratic function, the extremum of the function is first located. If the extremum is outside the endpoints of the data just fit, then the endpoints of the pass are checked as in the linear case. If the extremum lies between the endpoints, its value is checked. Again, a 3.0 m adjustment is deemed too large and if exceeded, an attempt is made to refit the data with a linear function. Of the 331 GDR passes for which an orbit adjustment was computed, 181 resulted in quadratic fits and 150 in linear fits. Of the 194 quadratic fits initially attempted, 12 failed the extremum test and were refit using a linear function. Of these, only one failed the endpoint test.

Two examples of results from the orbit adjustment procedure are shown in Figures 8 and 9. In the first case (Figure 8), data which are found in close proximity to Greenland are fit by a linear function. The latitude and east longitude of the points along the pass closest to the west and east coasts of Greenland are indicated. A linear function is fit to the smoothed ocean surface residuals. The orbit adjustment in the region traversing Greenland is indicated by dashes. Figure 9 shows the orbit adjustment results when a quadratic fit is necessary due to data being available just off Greenland's east coast and in the Pacific Ocean. The final rms between the data and function are 27 cm in the linear case and 14 cm the quadratic case.

Table 3 summarizes the orbit adjustments computed for each GDR rev at 310, 320, and 330 East Longitudes, representing the west coast, central region, and east coast of Greenland. Also included are the coefficients for the function (Equation 2.52) and the elapsed time in fractions of a day from the start point of the pass used to compute the adjustment for the longitude in question.

Utilizing Equation (2.52), the orbit adjustment is then computed for each Seasat IDR, and subtracted from the surface height. The orbit adjustment and its corresponding rms are located in bytes 93-96 and 97-100, respectively, of the IDR.

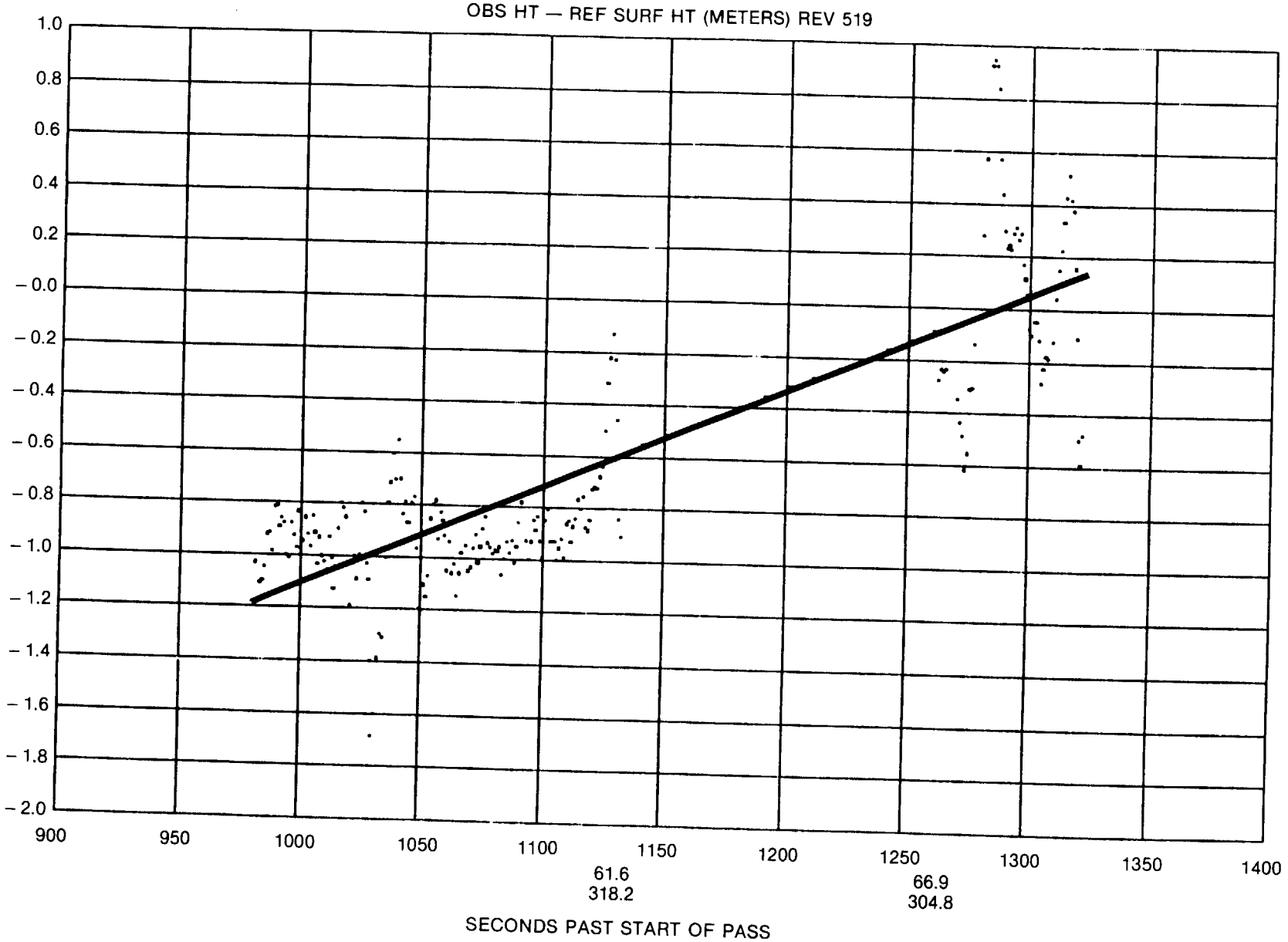



Figure 8. Orbit Adjustment Computed From Data in Close Proximity to Greenland's Coast

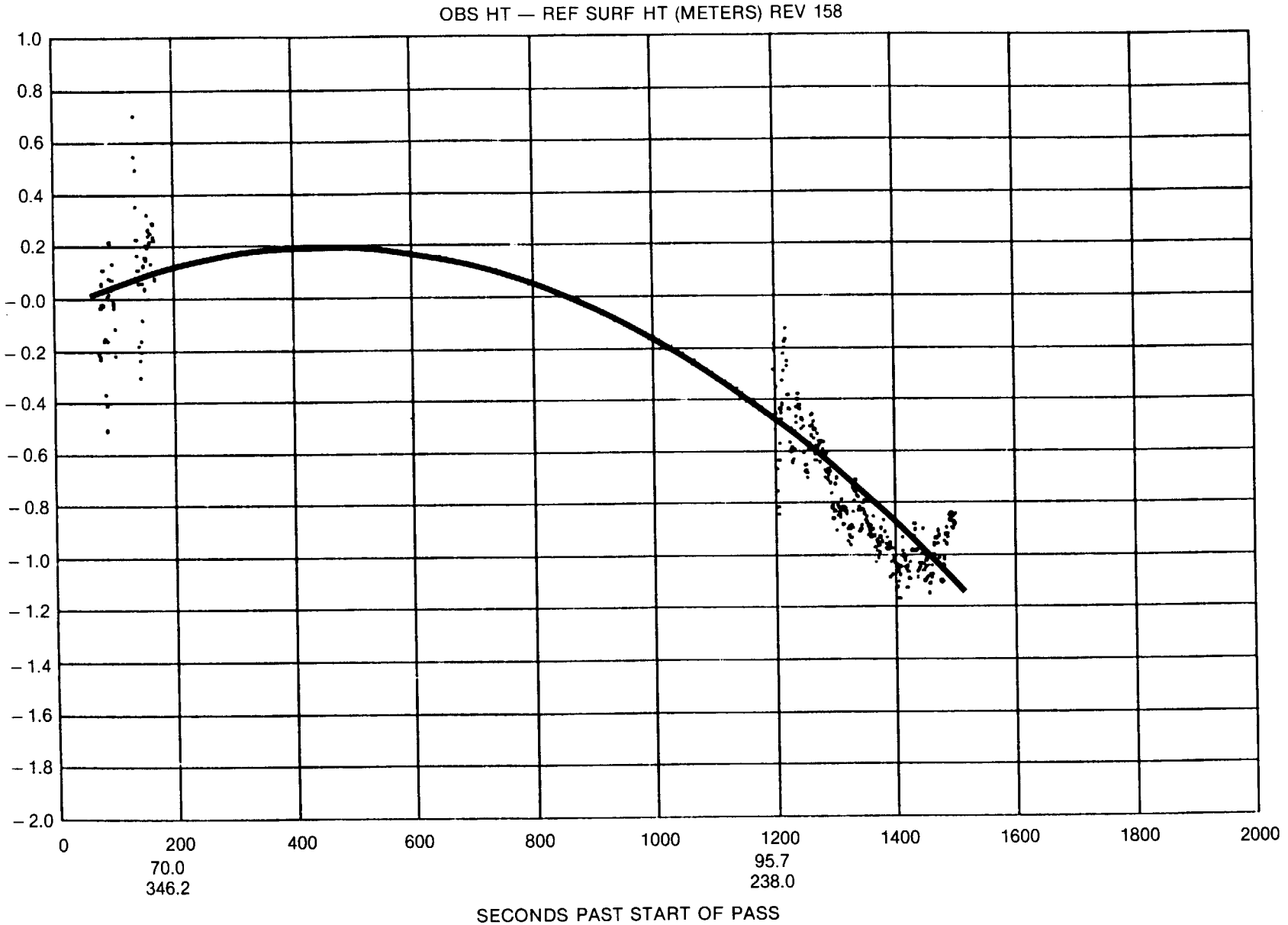



Figure 9. Orbit Adjustment Computed From Widely Distributed Data

Application of the orbit adjustment to the data yields improved crossover results. When the differences in heights are computed at 1235 crossover locations for ascending and descending passes over Greenland, the resultant crossover residual mean of the data without the orbit adjustment is 33 cm with an rms of 1.15 m. After application of the orbit adjustment, the data give a crossover residual mean of 7 cm and an rms of 0.99 m.

## 2.6 SLOPE CORRECTION

The altimeter height is measured to the closest point within its footprint, which does not correspond to the subsatellite location for sloping surfaces. This effect introduces an error into the height measurement which can be corrected by adjusting either the value of the measurement or its location (Brenner et al., 1983). Upon examination of both techniques, the method which was chosen for the Seasat data is to adjust the measurement. The magnitude of the slope-induced error may be represented by:

$$\Delta H_{SLOPE} = H(1-\cos\alpha) \tag{2.54}$$

where

H is the satellite altitude in meters

$\alpha$ is the maximum regional surface slope in radians

or

$$\Delta H_{SLOPE} = \frac{H\alpha^2}{2}, \text{ for small } \alpha. \tag{2.55}$$

The surface slope in Equation (2.55) for any one point is calculated using the following equation:

$$\alpha = \sqrt{\alpha^2_{\text{along-track}} + \alpha^2_{\text{cross-track}}} \tag{2.56}$$

where

$\alpha_{\text{along-track}}$ is the slope of the surface in the along-track direction of the data, and

$\alpha_{\text{cross-track}}$ is the slope of the surface in the cross-track direction of the data, perpendicular to the along-track direction.

The cross-track slope is obtained by using a reference surface of Greenland, generated from the Seasat data. This surface consists of a two-dimensional grid of heights. The spacing between grid points is 20 km. Bilinear interpolation between these grid values is used to determine the heights at the points where the cross-track intersects the closest grid lines. From these heights, the cross-track slope is then determined.

The along-track slope is obtained using the available along-track data. Since the height profile is initially unknown, an iterative procedure is used to attempt a reconstruction of the true height profile. The initial along-track slope at a data point location is calculated by performing a linear fit to the five elevations of the along-track data points nearest the data point in question. A slope correction is then calculated for that point and each point in the pass using Equation (2.55), but applying only 25% of the correction to the elevations. This entire procedure is repeated using the revised elevations three more times, each time applying 25% of the current elevation correction. After the final iteration, the total along-track height correction and Equation (2.55) are used to calculate an "effective" along-track slope. This slope may then be used in Equation (2.56) along with the cross-track slope to calculate the total slope. In the case of both the along and cross-track slopes, a maximum of .8 degree is allowed. This is a limitation set by the physical characteristics of the altimeter.

If two points cannot be found on both sides of the point being adjusted, after having searched 10 km in both directions, then the reference grid which is used to calculate the cross-track slope is also used to determine the along-track slope in a manner equivalent to the cross-track slope calculation described above.

Slope corrections are not applied to the surface heights on the IDR's. However, the along-track and cross-track slopes, from which the slope correction may be computed, are stored in bytes 85-86 and 87-88, respectively. Bytes 89-90 contain the size of the window required to find the five points to perform the along-track linear fit. Bytes 91-92 give information pertaining to how the along-track and cross-track slopes were determined.

## 2.7 SUMMARY OF CORRECTIONS

In order to obtain a corrected surface elevation relative to sea level with the solid tide effects removed, the following algorithm is used.

$$H_{COR} = H_{SC} - H_{ALT} - \Delta H_{RET} - \Delta H_{CG} + \Delta H_{ION} + \Delta H_{TROP} - \Delta H_{TIDE}$$

$$- \Delta H_{ORB} - \Delta H_{SLOPE} - H_{GEOID} \qquad (2.57)$$

where

$H_{SC}$ is the height of the spacecraft above the ellipsoid,

$H_{ALT}$ is the original altimeter measurement,

$\Delta H_{RET}$ is the retracking correction,

$\Delta H_{CG}$ is the center of gravity correction,

$\Delta H_{ION}$ is the ionospheric correction,

$\Delta H_{TROP}$ is the tropospheric correction,

$\Delta H_{TIDE}$ is the value of solid tide,

$\Delta H_{ORB}$ is the orbit adjustment,

$\Delta H_{SLOPE}$ is the slope correction, and

$H_{GEOID}$ is the value of the geoid.

The surface elevation on the IDR is relative to the ellipsoid and is corrected for tropospheric and ionospheric effects, the center of gravity offset, the retracking correction, and the orbit adjustment when available. However, the elevation still contains solid tide effects, and the application of the slope correction or removal of the solid tides have been left to the discretion of the user. The surface elevation status word located in bytes 77-78 of the IDR should be checked to verify whether or not corrections have been applied.

Corrections which are applied to the altimeter measurement are done in the opposite sense from the surface elevation corrections and may be verified using the altimeter measurement status word in bytes 13-16 of the IDR.

An outline of the adjustments and corrections required to the Seasat data and their values or range of values is given in Table 4.

# SECTION 3.0
# WAVEFORM DATA RECORDS

The averaged radar return pulses contained in the SDR's are stored on a separate file called the Waveform Data Records (WDRs) to facilitate their use. Table 5 outlines in detail the format of this record.

The time, geographical position, and altimeter measurement on the WDRs are not identical to the corresponding records on the IDRs. This is due to the fact that the WDRs information is obtained directly from the SDR's without the application of any correction or adjustment of any kind. The time differs by the time tag correction described in Section 2.2.1. Positions on the WDR are from the orbits on the SDR's and not PGS-S4 orbits. The altimeter measurement represents the raw observation on the SDR without any of the corrections described in Section 2.7 applied.

SECTION 4.0

GEO-REFERENCED DATA BASE

Ordering the Seasat data merely by time presents certain limitations when only data in a particular locale are desired. This situation arises when data are used to generate a grid of smoothed surface heights. To circumvent this problem, a data base was developed which orders the Seasat data by geographical areas or "bins". Figure 10 shows the configuration of the 4,300 bins in the vicinity of Greenland. Bin sizes vary in order to compensate for the higher data density near Seasat's maximum latitude. Each bin is assigned a number starting with "1" in the southwestern-most corner. Bin numbers increment first from west to east and then from south to north. The ending bin number for each row is indicated in the right-most margin of the map in Figure 10, while the number of data points is printed within the appropriate bin. Bins which contain no data have no number entered. Table 6 summarizes the number of points and the rev numbers found in each bin, along with the geographical coordinates of the southwestern-most corner of the bin. The bin number in which a particular data point is located may be found in bytes 153-156 of the IDR.

The geo-referenced data base is a subset of the IDR's, containing only information relating to the position, rev number, surface height, slope correction and orbit adjustment for each data point. Slope correction and orbit adjustment values are flagged with a -9999, if unavailable. In addition, the data are ordered first by bin number and then by time within each bin. The surface elevations on this data set have the orbit adjustment applied where it was available. If the orbit adjustment was not available, (indicated by the orbit adjustment value for that record being set to -9999) then the surface elevation contains the value calculated from the unadjusted orbit. The slope correction has not been applied to any of the surface elevations.

The data base is designed to be used on a direct-access device, so that data from one or several bins may be accessed without the need to read all the records prior to the location desired. This is achieved by dividing the data base into three sections.

The first section of the data base, a header, consists of one logical record and gives a summary of its configuration: the locations of the corners of the data base, the number of latitudinal rows, the width in degrees of each of these rows, and the number of longitudinal divisions in each row. These pieces of information give the layout of the data base, as depicted in Figure 10. Information pertaining to the size of the data base, the starting record of the bin directory, and the corrections applied to the data are also contained in this header.

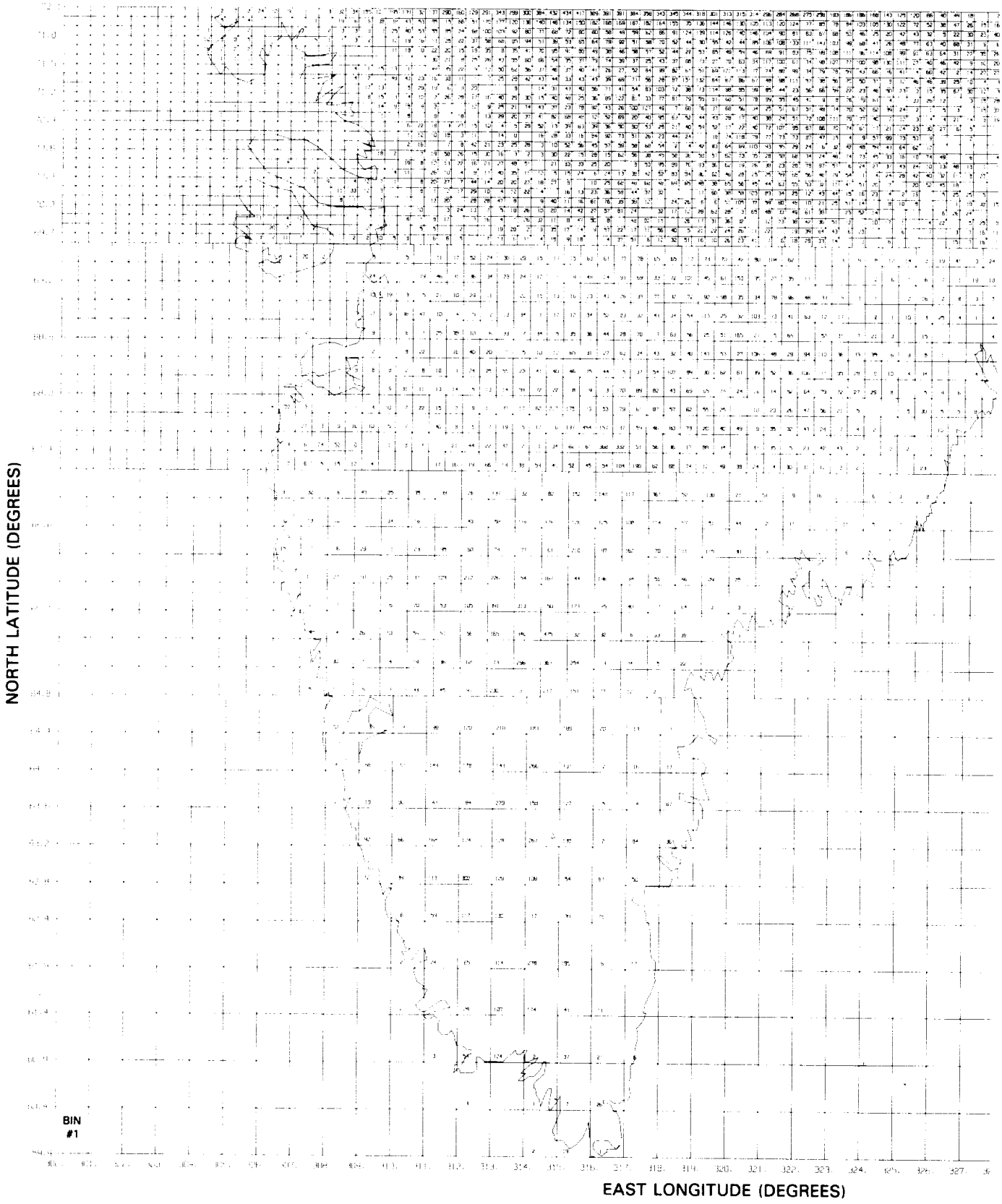
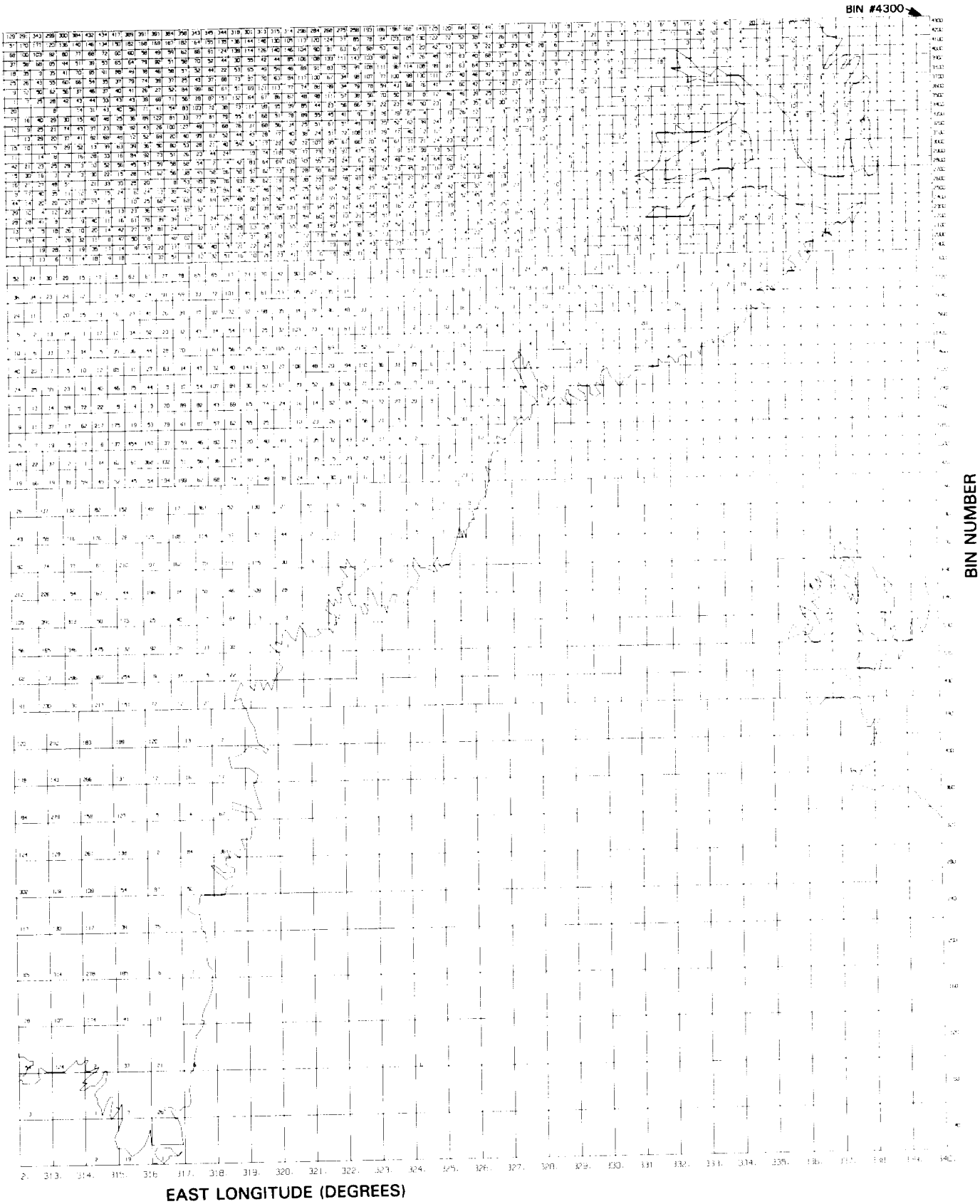



Figure 10. Seasat Greenland Geo-referenced Data Base Configuration



Following the header are the altimetry data ordered by bin number and, within each bin, by time. The altimetry data are subdivided into two groups for each bin which contains data. The first subgroup consists of one logical record which indicates the number of data points contained in the bin. The second subgroup consists of the actual altimetry data (position, rev number, surface height, orbit adjustment and slope correction), with each record corresponding to a data point.

The final section is a bin directory which follows the altimetry data. The bin directory starts at the logical record indicated in the data base header. The directory contains an entry for each bin, and starting with the first bin, indicates the record number in the data base (not including the header record) at which the start of the data for a particular bin may be found. Bins which contain no data have a zero entered in the directory. Table 7 summarizes the structure of the data base in greater detail.

One use of the data base is to assist the gridding program (Section 5.0) in locating and accessing all data contained within a specified radius of a grid location. In addition, the data base may be used to locate data within any desired area. The following example demonstrates how this may be done. The limits of a desired area are used in conjunction with the header information to determine exactly which bin numbers contain the data. Using the southernmost latitude of the desired area, along with the width of the latitude rows, establishes the southernmost row which contains the data. Longitudinal limits of the desired area are then checked in conjunction with the size and location of the longitudinal divisions in that row. When the longitude limit of the desired area for that latitudinal group is exceeded, the process starts again with the next latitude row to the north. These steps are repeated until the northernmost boundary limit of the desired area is reached.

Equipped with the bin numbers which contain the data, the directory, which gives the logical record on the direct-access disk at which each bin begins, is read. If the directory value for the bin is non-zero, this logical record is then read to determine the number of records which follow and are contained in the same bin. The subsequent data is then read for each bin.

# SECTION 5.0
# GRIDS

The uneven distribution of Seasat data presents problems when attempting to create computer generated contours. An intermediate step is useful which fits the data to nodes of a regular grid. Data local to each grid point are fit with a biquadratic or bilinear surface to determine the surface height at the grid point. This procedure is referred to as gridding the data. Grids are generated using the corrected and adjusted data in the geographical data base.

## 5.1 POLAR STEREOGRAPHIC PROJECTION

Grids of the Greenland data are generated in a tangent polar stereographic projection where the plane of projection is located at the geographic North Pole (the projection latitude) and is normal to the earth's axis. This projection is conformal which results in equality of scale about a point. Figure 11a depicts the concept behind this type of projection. A straight line is drawn from the South Pole (pole of projection), through a point on the earth's surface, Q, to the projection plane which is tangent to the North Pole. The projection plane is in turn divided into square grids from the pole to the Equator with the North Pole at the center. Three projection parameters define the size and the orientation of the plane and the grid size:

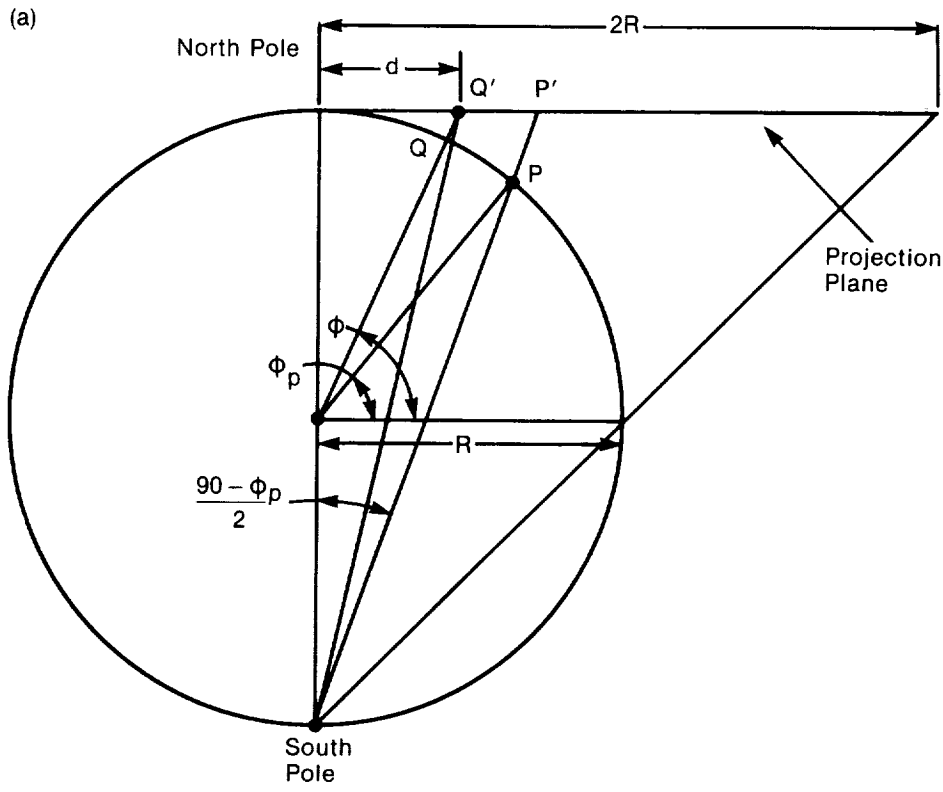
S – a conversion factor from half-inch grids at the projection latitude to the desired grid size;

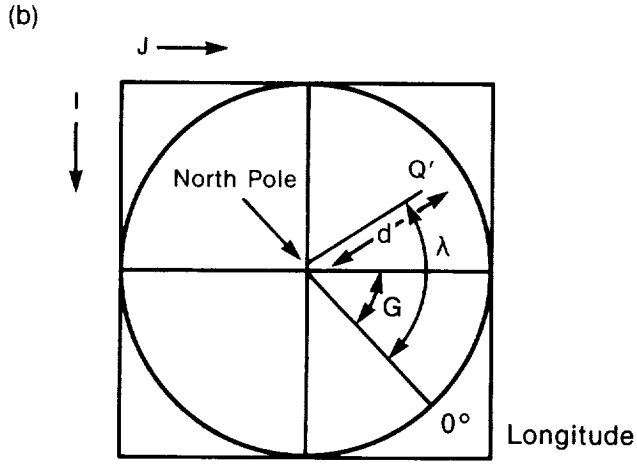
$\phi_p$ – the minimum latitude extent of the map perimeter for the projection latitude located at the North Pole; maximum latitude extent for the projection latitude located at the South Pole;

G - the Greenwich orientation in degrees

In the case of Greenland, where 20 kilometer grid cells were decided as being optimum for the data distribution, values of S=1.65, $\phi_p$ = 50°, and G=45° were chosen.

These three parameters are sufficient to define a grid of the northern hemisphere, from the North Pole to 50° north latitude where the number of cells of desired size from the pole to the equator may be represented by:




Figures 11a and 11b. Polar Stereographic Projection of Point Q with Latitude $\phi$ and Longitude $\lambda$ onto Plane with Map Perimeter 50°

$$D = \frac{2R}{S \times 10^6} \quad . \tag{5.1}$$

where R is the radius of the earth measured in one half-inch grid cells and was chosen to be consistent with polar stereographic projections described in other documentation.

The integer number of grids of desired size from the pole to the map perimeter is:

$$N = D \times \tan \frac{90 - |\phi_p|}{2} \quad . \tag{5.2}$$

The grid, defined by I and J axes, with the origin in the upper left corner (see Figure 11b), represents the coordinate of the North Pole as:

$$\begin{aligned} Ip &= N + 1 \\ Jp &= N + 1 \; . \end{aligned} \tag{5.3}$$

Any point with latitude $\phi$ and longitude $\lambda$, which is located in the northern hemisphere north of $\phi_p$ is positioned at the following I, J coordinate:

$$\begin{aligned} I &= \text{INT}\,[d \times A \times \cos(X) + Ip + 0.5] \\ J &= \text{INT}\,[d \times \sin(X) + Jp + 0.5] \end{aligned} \tag{5.4}$$

where

$d$ is $D \times \tan \frac{90 - |\phi_p|}{2}$

$X$ is $\lambda + G$

A is $+1$ if $\phi_p \geq 0$

A is $-1$ if $\phi_p < 0$ .

## 5.2 GRIDDING PROCEDURE

The surface height at each grid point location is calculated by fitting the surrounding data to the following biquadratic surface modeling function:

$$h_{ij}(\lambda,\phi) = C_{1_{ij}} + C_{2_{ij}} \frac{(\lambda - \lambda_i)}{\text{capmin}} + C_{3_{ij}} \frac{(\phi - \phi_j)}{(\text{capmin})(\cos\phi_j)}$$

$$+ C_{4_{ij}} \frac{(\lambda - \lambda_i)}{(\text{capmin})} \frac{(\phi - \phi_j)}{(\text{capmin})(\cos\phi_j)} + C_{5_{ij}} \frac{(\lambda - \lambda_i)^2}{\text{capmin}^2} \qquad (5.5)$$

$$+ C_{6_{ij}} \frac{(\phi - \phi_j)^2}{(\cos^2\phi_j)(\text{capmin}^2)}$$

where

$h_{ij}$ = value of the surface elevation function for the ij grid point as evaluated at the location $(\lambda, \phi)$;

$C_{1_{ij}} - C_{6_{ij}}$ = numerically determined coefficients of the biquadratic function for grid point ij; and

$\lambda_i, \phi_j$ = longitude and latitude of the ij grid point in deg.

capmin = minimum cap size in deg longitude.

A weighted least-squares method is used to solve for the coefficients $C_{1_{ij}} - C_{6_{ij}}$ at each grid point ij. The weighting is invoked to prevent the obliteration of the local surface details by the smoothing process, and to lend greater importance to the data closest to the grid point location. The form of the weighting function is

$$W_{k_{ij}} = \frac{1}{\sigma_{o_k}^2 \, D_{k_{ij}}^N} \qquad (5.6)$$

where

$W_{k_{ij}}$ = weight of the $k^{th}$ data point used in determining the coefficients of the surface function for the ij grid location;

$\sigma_{o_k}$ = observation standard deviation of the $k^{th}$ data point;

N = power of inverse distance weighting; and

$D_{k_{ij}}$ = the distance from the $k^{th}$ data point to location ij,

where $D_{kij} = \{[(\lambda_k - \lambda_i) \cos \phi_k]^2 + (\phi_k - \phi_j)^2\}^{1/2}$

The observation standard deviation was assigned a value of 1.0 m. The power of inverse distance weighting was assigned a value of 2.0 m. The formula used for the least-squares minimization in matrix notation is

$$P_{ij}^T W_{ij} P_{ij} C_{ij} = P_{ij}^T W_{ij} H_{ij} \tag{5.7}$$

or

$$C_{ij} = [P_{ij}^T W_{ij} P_{ij}]^{-1} P_{ij}^T W_{ij} H_{ij} \tag{5.8}$$

where

$$H_{ij} = \begin{bmatrix} h_1 \\ \vdots \\ h_k \\ \vdots \\ h_m \end{bmatrix}$$

is the observational data set used in determination of grid point ij;

$$P_{ij} = \begin{bmatrix} \frac{\partial h_1}{\partial C_{1_{ij}}} & \frac{\partial h_1}{\partial C_{2_{ij}}} & \cdots & \frac{\partial h_1}{\partial C_{6_{ij}}} \\ \vdots & & & \vdots \\ \frac{2h_m}{\partial C_{1_{ij}}} & \cdots & & \frac{2h_m}{\partial C_{6_{ij}}} \end{bmatrix}$$

is the matrix of observational partial derivatives;

$$C_{ij} = \begin{bmatrix} C_{1_{ij}} \\ \vdots \\ C_{6_{ij}} \end{bmatrix}$$

is the set of coefficients for grid point;

$$W_{ij} = \begin{bmatrix} W_{1_{ij}} & & 0 \\ & \ddots & \\ 0 & & W_{m_{ij}} \end{bmatrix}$$

is the observation weighting matrix.

A solution exists for Equation (5.8) if the determinant of the normal matrix $B_{ij}=P_{ij}^{T} W_{ij}C_{ij}$ is positive. However, poor data distribution can cause ill-conditioned matrices yielding solutions that vary considerably from the expected results. One needs to be able to recognize when numerical problems occur to assure reasonable solutions. To this end the singular value decomposition (SVD) method is used to solve the matrix equation. The results of the SVD process give an indication of the stability of the equations and therefore whether a unique stable solution exists (Forsythe, Malcolm, and Moler, 1977). When the normal matrix $B_{ij}$ is used as input to SVD, three output matrices are calculated: $\Sigma$, U, and V. $\Sigma$ is a diagonal matrix, such that

$$\Sigma = \begin{bmatrix} \sigma_1 & & 0 \\ & \ddots & \\ 0 & & \sigma_6 \end{bmatrix}$$

where the $\sigma$'s are referred to as the singular values of B. The matrices U and V are used to transform the equations

$$Bc=y$$

into an equivalent diagonal set of equations

$$\Sigma\ \overline{c}=\overline{y}\ .$$

In principle, if none of the $\sigma$'s are zero the transformed equations could be solved using

$$\overline{C_1} = \frac{\overline{y_1}}{\sigma_1}\ .$$

In practice, when any of the $\sigma$'s are small, numerical instability can result, giving unreasonable answers. The key to using SVD is to set a tolerance $\tau$ which reflects the accuracy of the data and the arithmetic used. If any $\sigma$'s are less than $\tau$ times the largest $\sigma$ then those corresponding

$\overline{c}$'s are not uniquely defined and unreasonable results can occur. When problems occur, steps must be taken to provide more information to evaluate the surface function.

Once $\tau$ is chosen, then $\Sigma$, U, and V are used in the following manner to calculate each coefficient $C_l$.

$$S = \sum_{j=1}^{m} U(j,i)\, Y_j$$

for all j where $\sigma_j > \tau$

$$C_l = \sum_{k=1}^{n} \frac{S}{\sigma_k} V(i,k) \quad .$$

In this study the value of $\tau$ used was .001 m. SVD is then used to determine when there are sufficient data to provide a unique solution to the surface modeling function. When a unique solution cannot be found more data are added and the function is reevaluated. At each grid location ij, data within the circular area defined by radius R from the grid location are used in the solution. Four different values for R are used: 33 km, 55 km, 88 km, and 132 km. Initially the smallest value of R is used and if a solution cannot be found then R is increased. If the biquadratic solution at the maximum value of R is unsatisfactory according to the SVD criterion, then the function (Equation 5.5) is reduced to a bilinear function by setting coefficients C4 through C6 to zero. If a valid solution still cannot be found, then the grid value is considered undefined and set to -1000.0.

Individual data point removal is also invoked during the gridding process. After finding a valid solution at location ij, the weighted rms of the residuals of the data with respect to the surface is calculated using

$$RMS_{WT_{ij}} = \frac{\sum_{k=1}^{M} \left( \frac{Res_{kij}}{\sigma_{O_k}^2 D_{k_{ij}}^N} \right)^2}{\sum_{k=1}^{M} \frac{1}{\sigma_{O_k}^2 D_{k_{ij}}^N}} \qquad (5.9)$$

where

$$Res_{kij} = h_k - h_{kij}$$

$h_{kij}$ = height at location of measurement k evaluated using the surface function for grid location ij.

The following inequality is then evaluated for each data point used in the solution.

$$\frac{Res_{kij}}{\sigma_{o_k} \sqrt{D^N}} \leq E_{mult} * RMS_{WT_{ij}} \qquad (5.10)$$

A value of the editing multiplier ($E_{mult}$) equal to 3.5 is used and all data points that do not satisfy the inequality are deleted. When any data points are deleted the surface function is reevaluated using the remaining data. A minimum of 10 data points are required to solve for the function.

The standard deviation associated with the grid height, $\sigma_{Gij}$, is then calculated to determine how well the grid represents the data.

$$\sigma_{Gij} = RMS_{WT_{ij}} * (V_{11}ij)^{1/2} .$$

where

$$V_{ij} = B_{ij}^{-1} P_{ij} W_{ij} \begin{bmatrix} \sigma_{o_1}^2 & & 0 \\ & \ddots & \\ 0 & & \sigma_{o_m}^2 \end{bmatrix} [B_{ij}^{-1} P_{ij}^T W_{ij}] .$$

Grid points that have a large value of $\sigma_G$ do not represent the data as well as those that have smaller $\sigma_G$'s.

The format of the grid record is described in Table 8. The location, coefficients, $\sigma_G$, number of points used and other pertinent parameters are output for each grid point location. The user can utilize these parameters to decide the accuracy of the individual grid values.

# TABLES

Table 1. Ice Data Record Description

General Characteristics:

| | | |
|---|---|---|
| Record Format | - | variable |
| Record Size (bytes) | - | 164 + 4 for IBM record control word |
| Blocksize (bytes) | - | 31920 + 4 for IBM block control word |

The first seven records of the IDR data set are 80 bytes long and contain a brief description of the contents of the file. The remaining records follow the 164-byte format.

HEADER RECORDS

| Bytes | FORTRAN Variable Type | Description |
|---|---|---|
| 1-80 | A1 | Brief description of file contents. (Comprises first seven records only) |

---

DATA RECORDS

| Bytes | FORTRAN Variable Type | Description |
|---|---|---|
| 1-4 | I*4 | Satellite ID - This is the international satellite designation nnpppqq where:<br><br>nn - last two digits of the year of launch (e.g., 1974 74, 1969 69).<br><br>ppp - order of launch.<br>Example:<br>The 25th vehicle launch in a given year is designated with ppp = 025.<br><br>qq - component identifier (e.g.,<br>component a → 01,<br>component ℓ → 12, etc.). |
| 5-6 | I*2 | Measurement type<br>40-44 Altimeter height<br>40 = Long pulse (GEOS data)<br>41 = Short pulse (GEOS data)<br>43 = Seasat altimetry |

Table 1. Ice Data Record Description (Cont.)

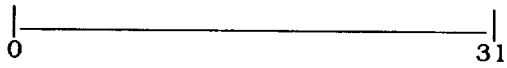
| Bytes | FORTRAN Variable Type | Description |
|---|---|---|
| 7-8 | I*2 | Time system indicator (nm) |

| n-value | Description Tracking data times |
|---|---|
| 0 | Ground received time |
| 1 | Satellite transponder/reflector time |
| 2 | Ground transmitted time |
| | **Altimeter data times** |
| 1 | Transmitter time |
| 2 | Ground bounce time |
| 3 | Receiver time |

| m-value | Description |
|---|---|
| 0 | UT-0 |
| 1 | UT-1 |
| 2 | UT-2 |
| 3 | UTC |
| 4 | A.1 |
| 5 | A.3 (A.T. B.I.H.) |
| 6 | A-S (Smithsonian) |

| | | |
|---|---|---|
| 9-12 | I*4 | Station Number (0 indicates altimeter) |
| 13-16 | I*4 | Altimeter measurement status word |

The status word consists of bit switches packed into a single 32-bit word. The rightmost bit (bit 31) is of lowest order and the leftmost bit (bit 0) is of highest order.




The status bits are configured as follows:

| Bits | Value | Description |
|---|---|---|
| 0 | | Unused |
| 1-2 | | Format indicator for measurement types 40-41 |
| | 1 | 20 obs/frame |
| | 2 | 32 obs/frame |
| | 3 | 320 obs/frame |

Table 1. Ice Data Record Description (Cont.)

| Bytes | FORTRAN Variable Type | Description | | |
|---|---|---|---|---|
| (13-16 Cont.) | | Bits | Value | Description |
| | | 3 | | Net instrument corrections indicator |
| | | | 0 | Instrument corrections applied to observation |
| | | | 1 | Instrument corrections not applied |
| | | 4 | | Unused |
| | | 5-6 | | Speed of light indicator |
| | | | 0 | $2.997925 \times 10^8$ meters/sec |
| | | | 3 | $2.99792458 \times 10^8$ meters/sec |
| | | 7 | | Unused |
| | | 8 | | Solid tide indicator |
| | | | 0 | Solid tide not on data record |
| | | | 1 | Solid tide on data record |
| | | 9 | | Ocean tide indicator |
| | | | 0 | Ocean tides not included in total tides |
| | | | 1 | Ocean tides included in total tides |
| | | 10-11 | | Tropospheric correction indicator |
| | | | 0 | Total tropospheric correction not on data record |
| | | | 1 | Total tropospheric correction on data record |
| | | 12 | | Ionospheric correction indicator |
| | | | 0 | Ionospheric correction not on data record |
| | | | 1 | Ionospheric correction on data record |
| | | 13 | | Atmospheric corrections indicator |
| | | | 0 | Ionospheric and tropospheric corrections applied to observation if found on data record |
| | | | 1 | Ionospheric and tropospheric corrections not applied to observation if found on data record |

Table 1. Ice Data Record Description (Cont.)

| Bytes | FORTRAN Variable Type | Description | | |
|---|---|---|---|---|
| (13-16 Cont.) | | Bits | Value | Description |
| | | 14 | | Total tide indicator |
| | | | 0 | Solid and ocean tides removed from observation if found on data record |
| | | | 1 | Observation includes solid and ocean tides |
| | | 15 | | Center of gravity indicator |
| | | | 0 | Center of gravity correction applied to observation |
| | | | 1 | Center of gravity correction not applied to observation |
| | | 16-20 | | Unused |
| | | 21 | | Altimeter mode (GEOS only) |
| | | | 0 | Global track mode |
| | | | 1 | Intensive track mode |
| | | 22-27 | | Unused |
| | | 28 | | Location indicator |
| | | | 0 | Over water |
| | | | 1 | Over land |
| | | 29 | | Orbit adjustment indicator |
| | | | 0 | Orbit adjustment has been applied to observation |
| | | | 1 | Orbit adjustment has not been applied to observation |
| | | 30 | | Slope correction indicator |
| | | | 0 | Slope correction has been applied to observation |
| | | | 1 | Slope correction has not been applied to observation |
| | | 31 | | Retracking correction indicator |
| | | | 0 | Retracking correction has been applied to observation |
| | | | 1 | Retracking correction has not been applied to observation |

Table 1. Ice Data Record Description (Cont.)

| Bytes | FORTRAN Variable Type | Description |
|---|---|---|
| 17-20 | I*4 | Modified Julian Date (MJD) of observation<br>Julian Date = MJD + 2400000.5 |
| 21-28 | R*8 | Fraction of day past midnight (GMT) |
| 29-36 | R*8 | Altimeter range measurement in meters |
| 37-40 | R*4 | Satellite latitude in degrees |
| 41-44 | R*4 | Satellite east longitude in degrees |
| 45-48 | R*4 | Measurement standard deviation in meters |
| 49-52 | R*4 | Center of gravity correction in meters |
| 53-56 | R*4 | Tropospheric refraction correction in meters |
| 57-60 | R*4 | Ionospheric refraction correction in meters |
| 61-64 | R*4 | GEM10-B geoid height above reference ellipsoid in meters |
| 65-68 | R*4 | Total tide height above reference ellipsoid in cm. |
| 69-72 | I*4 | Rev number |
| 73-76 | I*4 | Surface height with respect to ellipsoid in cm. |
| 77-78 | I*2 | Surface height status word |

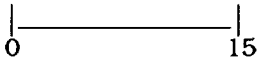

| Bits | Value | Description |
|---|---|---|
| 0-8 | 0 | Unused |
| 9 | 1 | Slope correction applied |
| | 0 | Slope correction not applied |
| 10 | 1 | Orbit adjustment applied |
| | 0 | Orbit adjustment not applied |
| 11 | 1 | Solid tides removed |
| | 0 | Solid tides not removed |
| 12 | 1 | Retracking correction applied |
| | 0 | Retracking correction not applied |
| 13 | 1 | Center of gravity bias applied |
| | 0 | Center of gravity bias not applied |

Table 1. Ice Data Record Description (Cont.)

| Bytes (77-78 Cont.) | FORTRAN Variable Type | Bits | Value | Description |
|---|---|---|---|---|
| | | 14 | 1 | Tropospheric correction applied |
| | | | 0 | Tropospheric correction not applied |
| | | 15 | 1 | Ionospheric correction applied |
| | | | 0 | Ionospheric correction not applied |
| 79-80 | I*2 | | | Significant wave height (H 1/3) in cm. |
| 81-82 | I*2 | | | Automatic Gain Control (AGC) in dB |
| 83-84 | I*2 | | | Solid tides in cm. |
| 85-86 | I*2 | | | Tangent of along-track slope (x $10^5$) |
| 87-88 | I*2 | | | Tangent of cross-track slope (x $10^5$) |
| 89-90 | I*2 | | | Size of window used in obtaining along-track slope in meters |
| 91-92 | I*2 | | | Along-track and cross-track slope correction word. If all bits are zero, then slopes for slope correction were not able to be computed. |
| | | 0-9 | | Unused |
| | | 10 | 1 | Along-track slope set to the maximum value of .8 degree during iterative procedure. |
| | | 11 | 1 | Cross-track slope set to the maximum value of .8 degree. |
| | | 12 | 1 | Along-track slope set to .8 degree after final iteration. |
| | | 13 | 1 | Window was extended to 20 km with no point found; reference grid used to calculate along-track slope. |
| | | 14 | 1 | Window had to be extended in both directions to determine along-track slope, but it is less than 20 km. |
| | | 15 | 1 | Two adjacent points were found and used to determine along-track slope. |
| 93-96 | R*4 | | | Orbit adjustment to 84,306 ocean surface in meters |
| 97-100 | R*4 | | | RMS of orbit adjustment fit in meters |

Table 1. Ice Data Record Description (Cont.)

| Bytes | FORTRAN Variable Type | |
|---|---|---|
| 101-104 | R*4 | RMS of filtered fit in counts |
| 105-108 | R*4 | Timing bias in seconds |
| 109-144 | R*4 | Retracking parameters $\beta(1)$ - $\beta(9)$ |
| 145-148 | R*4 | Attitude information from SDR |
| 149-152 | R*4 | Correction to surface height if using leading edge of leading edge in meters |
| 153-156 | I*4 | Geographical data base bin number |
| 157-158 | I*2 | Standard deviation of 1st leading edge position in gates |
| 159-160 | I*2 | Standard deviation of 2nd leading edge position in gates |
| 161-162 | I*2 | Retracking status word |




| Bits | Value | Description |
|---|---|---|
| 0 | | Unused |
| 1 | 0 | Gains and offsets were not applied to waveform counts in plots and in determining $\beta$ parameters |
| | 1 | Gains and offsets were applied to waveform counts in plots and in determining $\beta$ parameters |
| 2 | 0 | Specular test not performed or waveform not specularly shaped |
| | 1 | Waveform determined to be specularly shaped |
| 3 | 0 | Status flag from SDR less than or equal to one |
| | 1 | Status flag from SDR greater than one |
| 4 | 0 | Waveform not specularly retracked |
| | 1 | Waveform specularly retracked |
| 5 | 0 | Gains and offsets not applied to waveform count values on WDR's |
| | 1 | Gains and offsets applied to waveform count values on WDR's |

Table 1. Ice Data Record Description (Cont.)

| Bytes | FORTRAN Variable Type | Description | | |
|---|---|---|---|---|
| (161-162 Cont.) | | Bits | Value | Description |
| | | 6 | 0 | For double waveforms the retracking correction is not calculated from a weighted average of the two leading edges. |
| | | | 1 | For double waveforms the retracking correction is calculated from a weighted average of the two leading edges. |
| | | 7 | 0 | No problem with leading edge definition of waveform |
| | | | 1 | Waveform not defined well enough to filter, no leading edges or too many leading edges |
| | | 8 | 0 | No problem retracking |
| | | | 1 | Problem retracking |
| | | 9 | 0 | Timing bias was not applied to time tag |
| | | | 1 | Timing bias applied to time tag |
| | | 10 | 0 | Waveform not retracked |
| | | | 1 | Waveform retracked |
| | | 11 | 0 | Whole edge retracked |
| | | | 1 | Leading edge retracked |
| | | 12 | 0 | Ht correction not applied due to $\ddot{h}$ |
| | applies to water data | | 1 | Ht correction applied due to $\ddot{h}$ |
| | | 13 | 0 | Attitude seastate correction not applied to h |
| | | | 1 | Attitude seastate correction applied to h |
| | | 14-15 | 0 | Tracking mode 1 |
| | | | 1 | Tracking mode 2 |
| | | | 2 | Tracking mode 3 |
| | | | 3 | Tracking mode 4 |
| 163-164 | I*2 | Version number of retracking program that converted the data from SDR to IDR format | | |
| | | $n_1n_2n_3n_4n_5$ | | |
| | | $n_1n_2$ = year of version | | |
| | | $n_3n_4$ = month of version | | |
| | | $n_5$ = point no. of version | | |

Table 2. Seasat IDR Greenland Catalog

| REV NUMBER | APPROXIMATE LATITUDE AND DIRECTION AT 315.0 E LONG A = ASCENDING D = DESCENDING | | STARTING LAT & LONG DEG N | DEG E | ENDING LAT & LONG DEG N | DEG E | NUMBER OF PTS | BINS THROUGH WHICH REV TRAVERSES |
|---|---|---|---|---|---|---|---|---|
| 792 | 59.56 | A | 61.039 | 312.420 | 61.321 | 311.908 | 6 | 93 92 |
| 591 | 60.07 | A | 61.334 | 312.627 | 62.621 | 310.127 | 26 | 93 133 171 211 |
| 835 | 60.74 | A | 60.759 | 314.881 | 63.610 | 309.222 | 19 | 55 173 172 212 330 |
| 634 | 60.92 | A | 61.109 | 314.481 | 63.428 | 309.850 | 49 | 95 173 212 251 291 290 |
| 146 | 61.04 | A | 60.894 | 315.238 | 64.293 | 308.216 | 81 | 56 96 134 174 173 213 212 252 251 369 |
| 878 | 61.38 | A | 61.149 | 315.428 | 64.318 | 308.803 | 159 | 96 135 174 213 253 252 292 291 331 369 |
| 1437 | 61.58 | A | 61.131 | 315.859 | 64.741 | 308.155 | 99 | 96 135 175 214 253 252 331 370 409 |
| 1394 | 61.58 | A | 60.738 | 316.552 | 64.772 | 308.071 | 162 | 57 96 136 135 174 214 253 252 331 330 370 409 |
| 1351 | 61.58 | A | 60.754 | 316.523 | 64.438 | 308.905 | 102 | 57 96 136 135 174 213 253 252 331 330 370 409 |
| 1308 | 61.58 | A | 60.726 | 316.576 | 64.298 | 309.251 | 130 | 57 97 96 174 214 213 253 252 331 370 |
| 1265 | 61.58 | A | 60.909 | 316.260 | 64.488 | 308.792 | 123 | 97 136 135 175 174 214 213 253 252 292 291 331 409 |
| 1222 | 61.58 | A | 61.490 | 315.209 | 64.847 | 307.891 | 129 | 136 174 214 213 253 252 292 291 331 409 450 |
| 1179 | 61.58 | A | 61.572 | 315.059 | 64.861 | 307.858 | 164 | 136 174 214 213 253 252 292 370 409 450 |
| 677 | 61.72 | A | 61.449 | 315.305 | 63.756 | 310.555 | 71 | 136 135 175 214 213 253 252 292 331 |
| 189 | 61.83 | A | 61.250 | 316.033 | 64.853 | 308.251 | 100 | 97 96 136 135 175 214 254 253 292 331 371 409 451 |
| 720 | 62.43 | A | 61.729 | 316.316 | 65.540 | 307.586 | 214 | 137 176 215 255 254 294 293 333 332 372 371 501 500 550 |
| 476 | 62.51 | A | 61.567 | 316.698 | 64.534 | 310.310 | 59 | 137 176 215 255 254 294 293 333 332 411 |
| 232 | 62.56 | A | 61.706 | 316.621 | 65.296 | 308.516 | 172 | 137 176 216 215 255 254 294 293 333 332 372 371 411 501 |
| 519 | 63.21 | A | 62.157 | 317.010 | 66.307 | 306.861 | 180 | 178 256 255 295 294 334 374 373 412 454 552 601 600 699 |
| 275 | 63.25 | A | 62.102 | 317.299 | 66.349 | 306.908 | 207 | 178 177 217 216 256 296 295 335 334 374 373 412 454 503 552 601 699 |
| 763 | 63.31 | A | 62.294 | 317.040 | 66.390 | 306.907 | 307 | 178 177 256 296 295 335 334 374 373 413 412 454 504 503 601 699 |
| 562 | 63.86 | A | 63.352 | 315.969 | 66.789 | 306.775 | 428 | 296 336 335 375 374 414 413 456 505 504 554 553 652 651 701 700 749 |
| 806 | 64.20 | A | 63.779 | 315.911 | 66.818 | 307.582 | 408 | 336 376 375 415 414 457 456 506 555 554 604 653 652 702 750 |
| 605 | 64.46 | A | 63.778 | 316.457 | 67.114 | 307.126 | 321 | 337 376 375 415 458 457 507 506 556 555 604 654 653 799 |
| 849 | 64.96 | A | 64.133 | 316.968 | 67.531 | 306.986 | 309 | 377 416 460 459 509 508 558 557 606 656 655 704 703 753 856 935 934 |
| 648 | 65.04 | A | 63.899 | 317.624 | 67.562 | 306.971 | 403 | 338 377 417 416 460 459 509 508 558 557 607 606 656 655 704 801 934 |
| 160 | 65.12 | A | 64.524 | 316.488 | 67.708 | 306.793 | 330 | 417 416 460 459 509 508 558 557 607 606 656 655 705 704 1015 1014 |
| 1021 | 65.28 | A | 64.589 | 316.824 | 67.652 | 307.507 | 230 | 417 460 510 509 559 558 608 607 656 706 705 803 802 937 936 1016 |

Table 2. Seasat IDR Greenland Catalog (Cont.)

| REV NUMBER | APPROXIMATE LATITUDE AND DIRECTION AT 315.0 E LONG A = ASCENDING D = DESCENDING | | STARTING LAT & LONG DEG N | DEG E | ENDING LAT & LONG DEG N | DEG E | NUMBER OF PTS | BINS THROUGH WHICH REV TRAVERSES |
|---|---|---|---|---|---|---|---|---|
| 1494 | 65.30 | A | 63.966 | 318.426 | 67.806 | 307.023 | 293 | 339 379 418 417 510 509 559 558 608 607 657 656 802 859 937 1095 |
| 1365 | 65.31 | A | 64.428 | 317.304 | 66.108 | 312.752 | 239 | 418 417 461 510 509 559 558 608 607 657 656 |
| 1322 | 65.31 | A | 64.443 | 317.268 | 67.913 | 306.593 | 54 | 418 417 461 858 938 937 936 1094 |
| 1279 | 65.31 | A | 64.156 | 317.968 | 67.950 | 306.455 | 342 | 378 461 460 510 509 559 558 608 607 657 656 706 705 753 803 858 936 1015 1095 1094 1093 |
| 1236 | 65.31 | A | 63.924 | 318.521 | 67.415 | 308.475 | 314 | 339 379 378 417 461 460 510 509 559 558 608 607 657 656 706 705 803 802 938 937 |
| 1193 | 65.31 | A | 64.839 | 316.285 | 67.130 | 309.482 | 334 | 461 460 510 509 559 558 608 607 657 656 705 803 802 |
| 1150 | 65.31 | A | 64.137 | 318.026 | 67.877 | 306.749 | 325 | 379 417 461 460 510 509 559 558 608 607 657 656 706 705 754 803 802 858 937 1016 1015 1094 |
| 691 | 65.57 | A | 64.197 | 318.365 | 66.927 | 310.655 | 195 | 379 378 417 462 461 511 510 559 609 608 607 657 656 706 705 754 804 |
| 490 | 66.11 | A | 65.153 | 317.558 | 68.035 | 308.209 | 218 | 512 562 561 610 609 659 658 708 757 756 806 805 863 1020 1098 1097 1177 |
| 289 | 66.62 | A | 65.394 | 318.532 | 68.103 | 309.560 | 357 | 514 564 563 612 661 710 709 759 758 808 807 866 865 945 944 1023 1102 1180 |
| 777 | 66.71 | A | 65.273 | 319.184 | 68.765 | 307.033 | 388 | 514 564 563 613 612 661 711 710 759 758 808 807 867 866 946 945 1024 1023 1102 1181 1180 1259 1258 1416 1415 |
| 576 | 67.02 | A | 65.798 | 318.666 | 68.257 | 310.201 | 310 | 614 663 662 712 711 761 760 810 809 808 869 868 948 947 946 1026 1025 1104 1103 1183 1182 1181 1261 |
| 820 | 67.31 | A | 65.930 | 319.381 | 68.278 | 311.211 | 130 | 615 614 664 761 811 810 871 870 950 949 1107 1106 1105 1263 |
| 619 | 67.44 | A | 66.173 | 319.004 | 68.769 | 309.407 | 293 | 664 714 713 763 762 811 810 872 871 870 950 1029 1028 1027 1107 1106 1186 1185 1342 1421 1419 |
| 662 | 67.83 | A | 66.462 | 319.559 | 69.844 | 305.255 | 383 | 715 764 763 813 812 875 874 873 953 952 1032 1031 1030 1110 1109 1188 1187 1267 1266 1424 1422 1501 1500 1579 1735 1734 1816 1914 2014 |
| 418 | 67.86 | A | 66.138 | 320.720 | 69.179 | 309.041 | 313 | 666 716 715 764 763 813 812 875 874 954 953 952 1032 1031 1111 1110 1109 1189 1188 1187 1267 1266 1346 1345 1344 1423 1502 1579 |
| 174 | 67.88 | A | 66.471 | 319.893 | 69.756 | 306.135 | 386 | 715 765 764 813 812 875 874 954 953 1033 1032 1031 1111 1110 1189 1268 1267 1266 1346 1345 1344 1424 1423 1502 1736 1916 |
| 1035 | 67.88 | A | 65.752 | 322.115 | 69.118 | 309.620 | 213 | 618 812 876 875 874 954 953 1033 1032 1111 1110 1189 1188 1268 1267 1345 1424 1423 1502 1580 |
| 1465 | 67.89 | A | 66.637 | 319.493 | 69.824 | 305.889 | 210 | 765 764 813 876 875 874 954 953 1033 1032 1031 1111 1110 1735 1818 1817 1916 2015 |
| 1422 | 67.89 | A | 66.298 | 320.552 | 67.962 | 314.775 | 199 | 666 716 765 813 876 875 874 954 953 1033 1032 1031 1111 1110 |

Table 2. Seasat IDR Greenland Catalog (Cont.)

| REV NUMBER | APPROXIMATE LATITUDE AND DIRECTION AT 315.0 E LONG A = ASCENDING D = DESCENDING | | STARTING LAT & LONG DEG N | DEG E | ENDING LAT & LONG DEG N | DEG E | NUMBER OF PTS | BINS THROUGH WHICH REV TRAVERSES |
|---|---|---|---|---|---|---|---|---|
| 1379 | 67.89 | A | 66.303 | 320.531 | 69.921 | 305.291 | 290 | 716 715 765 764 814 813 876 875 874<br>954 953 1033 1032 1031 1111 1110 1735 1818<br>1817 2015 2114 |
| 1336 | 67.89 | A | 66.571 | 319.694 | 69.857 | 305.678 | 174 | 715 764 875 874 954 953 1033 1032 1031<br>1111 1818 1817 1917 1916 2016 2015 |
| 1293 | 67.89 | A | 66.630 | 319.510 | 67.968 | 314.754 | 207 | 765 813 876 875 874 954 953 1033 1032<br>1031 1111 1110 |
| 1250 | 67.89 | A | 66.467 | 320.033 | 68.876 | 310.856 | 286 | 716 715 765 813 876 875 874 954 953<br>1033 1032 1031 1111 1110 1189 1188 1268 1267<br>1346 1425 1502 |
| 1207 | 67.89 | A | 66.610 | 319.585 | 69.156 | 309.501 | 148 | 765 813 876 954 953 1033 1032 1111 1110<br>1189 1188 1268 1267 1346 1424 1423 1580 |
| 1164 | 67.89 | A | 66.286 | 320.600 | 69.797 | 306.043 | 298 | 666 715 765 813 875 874 954 953 1033<br>1032 1031 1111 1110 1189 1188 1267 1266 1346<br>1345 1424 1423 1502 1580 1659 1735 1916 |
| 461 | 68.22 | A | 67.038 | 319.283 | 69.852 | 306.813 | 294 | 815 878 877 957 956 955 1035 1034 1114<br>1113 1112 1192 1191 1190 1270 1269 1349 1348<br>1426 1659 1919 2018 |
| 504 | 68.56 | A | 67.116 | 320.465 | 69.756 | 308.832 | 217 | 816 959 958 1038 1037 1116 1115 1195 1194<br>1193 1272 1352 1351 1350 1508 1585 1584 1663<br>1824 1823 1923 |
| 260 | 68.59 | A | 66.962 | 321.170 | 69.710 | 309.271 | 430 | 817 816 881 880 960 959 1038 1037 1117<br>1116 1115 1195 1194 1274 1273 1272 1352 1351<br>1350 1429 1428 1508 1507 1586 1585 1664 1663<br>1741 1825 1824 1924 |
| 547 | 68.88 | A | 66.575 | 323.708 | 69.651 | 310.884 | 403 | 720 818 883 882 962 1040 1039 1119 1118<br>1198 1197 1196 1276 1275 1274 1354 1353 1433<br>1432 1431 1510 1589 1588 1667 1666 1745 1744<br>1743 1828 |
| 791 | 69.01 | A | 66.728 | 323.910 | 70.440 | 306.589 | 340 | 770 885 884 964 963 1041 1120 1198 1278<br>1277 1276 1356 1355 1434 1433 1432 1512 1511<br>1510 1590 1589 1588 1668 1746 1745 1830 1829<br>1928 1927 2027 2224 2322 2321 2420 2419 2519<br>2617 |
| 590 | 69.18 | A | 66.663 | 324.872 | 70.198 | 309.000 | 404 | 772 819 887 886 965 964 1044 1043 1201<br>1200 1199 1279 1278 1277 1357 1356 1436 1435<br>1434 1514 1513 1512 1591 1669 1748 1832 1930<br>2029 2323 |
| 834 | 69.40 | A | 67.415 | 323.523 | 70.105 | 310.825 | 322 | 968 967 1046 1045 1124 1203 1202 1281 1280<br>1360 1359 1358 1438 1437 1516 1515 1514 1594<br>1593 1592 1672 1750 1749 1748 1835 2032 2031<br>2130 2228 2328 |
| 633 | 69.46 | A | 67.486 | 323.492 | 70.196 | 310.456 | 330 | 967 1047 1046 1045 1125 1124 1281 1360 1359<br>1439 1438 1437 1517 1516 1515 1595 1594 1673<br>1672 1671 1750 1836 1835 1934 1933 2033 2032<br>2131 2229 2327 |
| 877 | 69.62 | A | 67.126 | 325.822 | 70.388 | 310.200 | 233 | 823 1048 1127 1126 1206 1205 1204 1283 1362<br>1440 1439 1519 1518 1597 1596 1595 1675 1674<br>1673 1752 1837 1936 1935 2034 2134 2232 2231<br>2329 2429 2526 |

Table 2. Seasat IDR Greenland Catalog (Cont.)

| REV NUMBER | APPROXIMATE LATITUDE AND DIRECTION AT 315.0 E LONG A = ASCENDING D = DESCENDING | | STARTING LAT & LONG DEG N | DEG E | ENDING LAT & LONG DEG N | DEG E | NUMBER OF PTS | BINS THROUGH WHICH REV TRAVERSES |
|---|---|---|---|---|---|---|---|---|
| 1264 | 69.68 | A | 67.216 | 325.925 | 70.600 | 309.083 | 172 | 892 1049 1127 1206 1285 1284 1675 1674 1754<br>1753 1752 1839 1838 1937 2035 2135 2134 2233<br>2331 2429 2529 2528 2626 2725 2724 2823 |
| 1221 | 69.68 | A | 67.233 | 325.869 | 70.582 | 309.222 | 269 | 892 970 1048 1206 1205 1285 1284 1362 1361<br>1441 1440 1520 1519 1518 1598 1597 1596 1674<br>1754 1753 1839 1937 2036 2135 2134 2233 2331<br>2724 |
| 676 | 69.72 | A | 67.995 | 322.998 | 70.340 | 310.924 | 449 | 1126 1206 1205 1284 1363 1362 1361 1441 1440<br>1520 1519 1518 1598 1597 1596 1676 1675 1674<br>1753 1752 1838 1938 1937 1936 2036 2035 2135<br>2134 2233 2331 2330 2430 2429 2528 |
| 432 | 69.74 | A | 67.260 | 325.913 | 70.637 | 308.907 | 437 | 892 1128 1207 1206 1205 1285 1284 1363 1442<br>1441 1440 1520 1519 1518 1598 1597 1596 1676<br>1675 1674 1754 1753 1752 1839 1838 1937 2037<br>2036 2135 2234 2233 2332 2331 2430 2429 2529<br>2528 2627 2626 2725 2724 2823 |
| 719 | 69.96 | A | 68.113 | 324.057 | 70.608 | 310.514 | 532 | 1209 1208 1287 1286 1366 1365 1444 1523 1522<br>1521 1601 1600 1599 1679 1678 1677 1757 1756<br>1755 1843 1842 1942 1941 1940 2040 2039 2138<br>2137 2237 2236 2335 2434 2433 2531 2630 2629<br>2728 2727 2827 |
| 475 | 69.99 | A | 68.116 | 324.121 | 70.586 | 310.746 | 335 | 1209 1208 1288 1287 1286 1366 1365 1444 1523<br>1522 1600 1599 1678 1677 1757 1756 1755 1843<br>1842 1942 1941 1940 2040 2039 2139 2138 2237<br>2335 2434 2433 2532 2630 2729 2728 2727 |
| 231 | 70.00 | A | 67.650 | 326.124 | 70.598 | 310.836 | 560 | 1053 1131 1209 1208 1288 1287 1367 1366 1365<br>1444 1443 1523 1522 1521 1601 1600 1599 1679<br>1678 1677 1757 1756 1755 1844 1843 1942 1941<br>2040 2238 2237 2236 2336 2335 2435 2434 2533<br>2532 2631 2630 2729 2728 |
| 518 | 70.21 | A | 67.880 | 326.512 | 70.854 | 310.046 | 529 | 1134 1133 1290 1289 1447 1446 1526 1525 1524<br>1604 1603 1602 1682 1681 1680 1759 1758 1847<br>1846 1945 1944 2044 2043 2143 2142 2141 2241<br>2240 2339 2338 2437 2436 2536 2535 2534 2634<br>2633 2731 2829 2927 3026 |
| 274 | 70.23 | A | 67.850 | 326.804 | 70.870 | 310.086 | 482 | 1134 1290 1370 1369 1368 1525 1524 1604 1603<br>1602 1682 1681 1680 1760 1759 1847 1846 1946<br>1945 2044 2043 2143 2142 2141 2241 2240 2340<br>2339 2338 2438 2437 2535 2635 2634 2633 2733<br>2731 2831 2829 2929 2928 2927 3026 |
| 762 | 70.25 | A | 68.057 | 326.103 | 70.607 | 312.344 | 328 | 1213 1369 1447 1525 1524 1604 1603 1602 1682<br>1681 1680 1760 1759 1848 1847 1846 1946 1945<br>2045 2044 2043 2143 2142 2242 2241 2339 2438<br>2536 2831 |
| 561 | 70.43 | A | 68.368 | 325.978 | 71.097 | 309.298 | 561 | 1292 1372 1371 1449 1527 1607 1606 1605 1685<br>1684 1683 1763 1762 1761 1851 1850 1849 1949<br>1948 2048 2047 2145 2244 2243 2343 2342 2341<br>2441 2440 2540 2539 2538 2638 2637 2736 2735<br>2834 2833 2931 2930 3030 3029 3128 3126 3225<br>3224 |

Table 2. Seasat IDR Greenland Catalog (Cont.)

| REV NUMBER | APPROXIMATE LATITUDE AND DIRECTION AT 315.0 E LONG A = ASCENDING D = DESCENDING | | STARTING LAT & LONG DEG N | STARTING LAT & LONG DEG E | ENDINC LAT & LONG DEG N | ENDINC LAT & LONG DEG E | NUMBER OF PTS | BINS THROUGH WHICH REV TRAVERSES |
|---|---|---|---|---|---|---|---|---|
| 805 | 70.53 | A | 68.310 | 327.112 | 71.604 | 304.313 | 447 | 1295 1452 1608 1685 1684 1764 1763 1762 1853<br>1852 1851 1951 1950 2050 2049 2148 2147 2247<br>2246 2344 2444 2443 2442 2542 2541 2540 2640<br>2639 2738 2737 2835 2934 3032 3130 3128 3228<br>3227 3226 3326 3324 3712 3811 |
| 604 | 70.62 | A | 69.792 | 320.366 | 70.650 | 314.611 | 103 | 1951 2051 2050 2445 2444 2443 2641 2740 2739<br>2738 2838 2837 |
| 848 | 70.78 | A | 68.879 | 326.476 | 71.336 | 309.603 | 536 | 1533 1612 1611 1689 1767 1857 1955 2055 2054<br>2053 2153 2152 2252 2251 2250 2350 2349 2348<br>2448 2447 2547 2546 2545 2645 2644 2643 2743<br>2742 2741 2841 2840 2939 2938 2937 3037 3036<br>3035 3135 3134 3133 3233 3231 3331 3330 3329<br>3328 3428 3427 3426 3525 |
| 647 | 70.80 | A | 69.386 | 324.062 | 71.393 | 309.039 | 574 | 1689 1768 1857 1856 1956 1955 2055 2054 2053<br>2153 2152 2252 2251 2250 2350 2349 2449 2448<br>2447 2547 2546 2545 2645 2644 2643 2743 2742<br>2842 2841 2840 2939 2938 3038 3036 3035 3135<br>3134 3133 3233 3231 3331 3330 3329 3328 3428<br>3427 3426 3526 3525 3523 |
| 891 | 70.85 | A | 68.446 | 329.146 | 71.715 | 305.207 | 575 | 1379 1535 1534 1690 1769 1858 1958 1957 2056<br>2055 2155 2154 2153 2253 2252 2352 2351 2350<br>2450 2449 2549 2548 2547 2647 2646 2645 2745<br>2744 2743 2843 2842 2841 2941 2940 2939 3039<br>3038 3037 3137 3136 3135 3235 3234 3332 3331<br>3429 3428 3427 3525 3524 3624 3914 |
| 1020 | 70.89 | A | 68.603 | 328.751 | 71.498 | 308.684 | 507 | 1458 1614 1692 1770 1768 1958 1957 2057 2056<br>2156 2155 2154 2254 2253 2353 2352 2351 2451<br>2450 2449 2549 2548 2647 2646 2746 2745 2744<br>2844 2843 2842 2942 2941 2940 3040 3038 3138<br>3136 3236 3235 3234 3233 3332 3430 3428 3528<br>3526 3623 3622 |
| 1493 | 70.89 | A | 68.484 | 329.376 | 68.503 | 329.293 | 5 | 1379 |
| 1321 | 70.89 | A | 68.445 | 329.532 | 71.794 | 304.255 | 12 | 1380 1379 3911 |
| 1278 | 70.89 | A | 71.326 | 310.857 | 71.440 | 309.528 | 21 | 3528 3526 3625 3624 |
| 1235 | 70.89 | A | 71.392 | 310.110 | 71.441 | 309.515 | 13 | 3526 3626 3625 3624 |
| 690 | 70.97 | A | 68.590 | 329.348 | 71.790 | 304.691 | 527 | 1379 1536 1769 1959 2057 2157 2156 2255 2254<br>2354 2353 2352 2452 2451 2551 2550 2549 2649<br>2648 2647 2747 2746 2745 2845 2844 2843 2943<br>2942 2941 3041 3039 3139 3138 3137 3237 3334<br>3333 3431 3529 3528 3625 3912 |
| 446 | 70.98 | A | 69.127 | 326.991 | 71.388 | 310.684 | 651 | 1614 1771 1770 1860 1960 1959 2059 2058 2057<br>2157 2156 2256 2255 2254 2354 2353 2453 2452<br>2451 2551 2550 2549 2649 2648 2647 2747 2746<br>2846 2845 2844 2944 2943 2942 3042 3041 3040<br>3139 3137 3237 3236 3235 3335 3334 3333 3431<br>3430 3529 3527 |

Table 2. Seasat IDR Greenland Catalog (Cont.)

| REV NUMBER | APPROXIMATE LATITUDE AND DIRECTION AT 315.0 E LONG (A = ASCENDING, D = DESCENDING) | | STARTING LAT & LONG DEG N | STARTING LAT & LONG DEG E | ENDING LAT & LONG DEG N | ENDING LAT & LONG DEG E | NUMBER OF PTS | BINS THROUGH WHICH REV TRAVERSES |
|---|---|---|---|---|---|---|---|---|
| 489 | 71.14 | A | 68.763 | 330.180 | 71.722 | 307.495 | 720 | 1461 1617 1695 1775 1774 1773 1963 2062 2061<br>2161 2160 2260 2259 2258 2358 2357 2356 2456<br>2455 2555 2554 2553 2653 2652 2651 2751 2750<br>2749 2849 2848 2847 2947 2946 2945 3045 3044<br>3043 3143 3142 3141 3241 3240 3239 3338 3337<br>3336 3436 3434 3533 3531 3631 3630 3629 3628<br>3820 3920 3919 |
| 245 | 71.15 | A | 69.067 | 328.919 | 70.450 | 320.785 | 229 | 1618 1697 1696 1774 2063 2160 2260 2259 2258<br>2358 2357 2457 2456 2455 2555 2554 2553 2653<br>2652 |
| 532 | 71.28 | A | 69.400 | 328.495 | 71.623 | 310.516 | 708 | 1777 1775 1967 2263 2262 2362 2361 2360 2460<br>2459 2458 2558 2557 2657 2656 2655 2755 2754<br>2753 2853 2852 2851 2951 2950 2949 3049 3048<br>3047 3147 3146 3145 3245 3244 3243 3242 3342<br>3341 3340 3439 3438 3437 3537 3536 3535 3534<br>3634 3633 3631 3731 3730 3729 3728 3828 3827 |
| 288 | 71.29 | A | 69.283 | 329.279 | 71.658 | 310.165 | 543 | 1699 1778 1777 1968 2066 2362 2459 2559 2558<br>2557 2657 2656 2655 2755 2754 2753 2853 2852<br>2851 2951 2950 2949 3049 3048 3047 3147 3146<br>3145 3245 3244 3243 3343 3342 3341 3340 3439<br>3537 3536 3535 3635 3634 3633 3729 3728 3826 |
| 776 | 71.31 | A | 68.722 | 332.305 | 71.946 | 304.707 | 747 | 1465 1543 1622 1621 1700 1699 1778 1777 1869<br>1969 1968 2264 2263 2363 2460 2560 2559 2558<br>2658 2657 2656 2756 2755 2754 2854 2853 2852<br>2952 2951 2950 3050 3049 3048 3148 3147 3146<br>3246 3245 3244 3243 3343 3342 3341 3441 3440<br>3538 3537 3536 3535 3635 3634 3633 3731 3729<br>3829 3828 3826 3825 3925 3923 3922 4018 4114<br>4113 4112 |
| 575 | 71.41 | A | 69.772 | 327.881 | 71.809 | 308.847 | 717 | 1970 2070 2069 2068 2168 2167 2267 2462 2561<br>2659 2658 2758 2757 2856 2855 2955 2954 2953<br>3052 3051 3050 3150 3149 3148 3248 3247 3346<br>3345 3344 3343 3443 3442 3441 3541 3540 3539<br>3538 3638 3637 3636 3635 3735 3734 3733 3732<br>3830 3829 3828 3927 3926 3925 4023 |
| 819 | 71.49 | A | 69.323 | 331.433 | 71.793 | 310.261 | 829 | 1703 1782 1781 1875 1974 2072 2071 2269 2367<br>2366 2466 2465 2565 2564 2563 2663 2662 2661<br>2761 2760 2759 2859 2858 2857 2957 2956 2955<br>3055 3054 3053 3153 3152 3151 3251 3250 3249<br>3349 3348 3347 3346 3446 3445 3444 3443 3543<br>3542 3541 3641 3640 3639 3638 3637 3737 3736<br>3735 3734 3834 3832 3831 3830 3930 3929 3926 |
| 618 | 71.52 | A | 69.877 | 328.709 | 71.779 | 310.852 | 884 | 2072 2270 2269 2369 2368 2367 2467 2466 2565<br>2564 2664 2663 2662 2762 2761 2760 2860 2859<br>2858 2958 2957 2956 3056 3055 3054 3154 3153<br>3152 3252 3251 3250 3249 3349 3348 3347 3447<br>3446 3445 3444 3544 3543 3542 3541 3641 3640<br>3639 3638 3738 3737 3736 3735 3835 3834 3832<br>3831 3931 3930 3929 3928 |

Table 2. Seasat IDR Greenland Catalog (Cont.)

| REV NUMBER | APPROXIMATE LATITUDE AND DIRECTION AT 315.0 E LONG A = ASCENDING D = DESCENDING | | STARTING LAT & LONG DEG N | DEG E | ENDING LAT & LONG DEG N | DEG E | NUMBER OF PTS | BINS THROUGH WHICH REV TRAVERSES |
|---|---|---|---|---|---|---|---|---|
| 417 | 71.63 | A | 69.747 | 331.077 | 71.963 | 308.100 | 928 | 1978 2077 2371 2569 2568 2668 2667 2666 2766<br>2765 2764 2864 2863 2862 2962 2961 2960 3060<br>3059 3058 3158 3157 3156 3256 3255 3254 3253<br>3353 3352 3351 3451 3450 3449 3448 3548 3547<br>3546 3545 3645 3644 3643 3642 3742 3741 3740<br>3739 3839 3838 3837 3836 3835 3935 3934 3933<br>3932 3931 4029 4028 4027 4025 4124 4121 |
| 173 | 71.64 | A | 69.810 | 330.911 | 71.949 | 308.763 | 824 | 2078 2471 2569 2668 2667 2766 2765 2865 2864<br>2863 2963 2962 2961 3061 3060 3059 3158 3157<br>3156 3256 3255 3254 3354 3353 3352 3351 3451<br>3450 3449 3549 3548 3547 3546 3646 3645 3644<br>3741 3740 3739 3839 3838 3837 3836 3936 3935<br>3934 3933 3932 3931 4031 4029 4028 4027 4125<br>4124 4122 |
| 1034 | 71.64 | A | 69.581 | 332.324 | 71.961 | 308.657 | 803 | 1785 2078 2176 2472 2569 2668 2766 2765 2865<br>2864 2863 2963 2962 2961 3061 3060 3059 3159<br>3158 3157 3257 3256 3255 3254 3354 3353 3352<br>3452 3451 3450 3449 3549 3548 3547 3546 3646<br>3645 3644 3643 3743 3742 3741 3740 3840 3839<br>3838 3837 3836 3936 3935 3934 3933 3932 4032<br>4031 4029 4028 4026 4126 4122 |
| 1464 | 71.64 | A | 69.260 | 334.100 | 69.277 | 334.012 | 7 | 1709 |
| 1421 | 71.64 | A | 69.244 | 334.174 | 69.272 | 334.028 | 11 | 1709 |
| 1378 | 71.64 | A | 72.051 | 304.949 | 72.055 | 304.680 | 9 | 4213 4212 |
| 1249 | 71.65 | A | 71.800 | 312.531 | 71.861 | 311.290 | 20 | 4032 4031 4029 |
| 1206 | 71.65 | A | 71.833 | 311.866 | 72.035 | 305.906 | 19 | 4030 4216 4215 |
| 1163 | 71.65 | A | 71.849 | 311.512 | 71.896 | 310.473 | 11 | 4029 4027 |
| 460 | 71.73 | A | 69.388 | 334.501 | 71.994 | 308.470 | 790 | 1710 1709 1789 1788 1884 1982 1981 2080 2376<br>2572 2671 2670 2768 2965 2964 3064 3063 3062<br>3162 3161 3160 3159 3259 3258 3257 3357 3356<br>3355 3454 3453 3452 3552 3551 3550 3549 3649<br>3648 3647 3646 3746 3745 3744 3743 3842 3841<br>3840 3839 3939 3938 3937 3936 3935 3934 4034<br>4033 4032 4031 4029 4129 4128 4126 4124 4122 |
| 503 | 71.81 | A | 69.687 | 334.318 | 72.033 | 308.179 | 618 | 1886 1986 2478 2576 2773 3165 3164 3262 3261<br>3360 3359 3358 3458 3457 3456 3555 3554 3553<br>3653 3652 3651 3650 3750 3749 3748 3747 3746<br>3846 3845 3844 3843 3842 3942 3941 3940 3939<br>3938 4038 4037 4036 4035 4034 4033 4032 4132<br>4128 4126 4125 4223 4222 4221 |
| 259 | 71.81 | A | 69.865 | 333.460 | 72.027 | 308.669 | 684 | 2084 2675 2871 2968 3066 3164 3163 3261 3361<br>3360 3359 3459 3458 3457 3456 3556 3555 3554<br>3553 3653 3652 3651 3650 3750 3749 3748 3747<br>3847 3846 3845 3844 3843 3943 3942 3941 3940<br>3939 3938 4038 4037 4036 4035 4034 4033 4133<br>4132 4131 4130 4125 4225 4224 4223 4222 |
| 546 | 71.87 | A | 70.772 | 328.430 | 72.053 | 308.300 | 603 | 2972 3167 3264 3364 3362 3462 3461 3460 3459<br>3559 3558 3557 3656 3655 3654 3653 3753 3752<br>3751 3750 3850 3849 3848 3847 3846 3946 3945<br>3944 3943 3942 4042 4041 4040 4039 4038 4037<br>4036 4136 4135 4133 4132 4228 4227 4221 |

Table 2. Seasat IDR Greenland Catalog (Cont.)

| REV NUMBER | APPROXIMATE LATITUDE AND DIRECTION AT 315.0 E LONG A = ASCENDING D = DESCENDING | | STARTING LAT & LONG DEG N | DEG E | ENDING LAT & LONG DEG N | DEG E | NUMBER OF PTS | BINS THROUGH WHICH REV TRAVERSES |
|---|---|---|---|---|---|---|---|---|
| 790 | 71.90 | A | 69.964 | 334.822 | 72.057 | 308.825 | 816 | 2188 2187 2777 3071 3171 3170 3169 3168 3267<br>3365 3364 3464 3463 3462 3461 3561 3560 3559<br>3558 3658 3657 3656 3655 3755 3754 3753 3752<br>3852 3851 3850 3849 3848 3948 3947 3946 3945<br>3944 3943 4043 4042 4041 4040 4039 4038 4138<br>4137 4136 4135 4134 4133 4132 4230 4229 4228<br>4227 4226 4225 4224 4223 |
| 833 | 71.97 | A | 70.953 | 329.553 | 72.068 | 308.879 | 823 | 3174 3272 3271 3369 3468 3467 3466 3566 3565<br>3564 3563 3663 3662 3661 3660 3760 3759 3758<br>3757 3756 3856 3855 3854 3853 3953 3952 3951<br>3950 3949 3948 4048 4047 4046 4045 4044 4043<br>4143 4142 4141 4140 4139 4138 4137 4136 4135<br>4235 4234 4233 4232 4231 4229 4228 4226 4225<br>4223 |
| 632 | 71.98 | A | 70.462 | 333.710 | 72.066 | 308.696 | 920 | 2685 3077 3371 3370 3369 3469 3468 3467 3466<br>3566 3565 3564 3664 3663 3662 3661 3660 3760<br>3759 3758 3757 3857 3856 3855 3854 3853 3953<br>3952 3951 3950 3949 4049 4048 4047 4046 4045<br>4044 4043 4143 4142 4141 4140 4139 4138 4137<br>4136 4236 4235 4234 4233 4232 4231 4230 4229<br>4228 4226 4225 4224 4223 4222 |
| 876 | 72.00 | A | 70.937 | 331.007 | 72.064 | 308.925 | 767 | 3178 3372 3472 3471 3470 3568 3567 3566 3666<br>3665 3664 3763 3762 3761 3760 3860 3859 3858<br>3857 3856 3956 3955 3954 3953 3952 4051 4050<br>4049 4048 4047 4046 4146 4145 4144 4143 4142<br>4141 4140 4139 4239 4238 4237 4236 4235 4233<br>4232 4231 4229 4228 4226 4224 4223 |
| 1478 | 72.01 | A | 72.074 | 310.096 | 72.021 | 305.764 | 21 | 4226 4225 4215 |
| 1435 | 72.01 | A | 72.073 | 309.956 | 72.013 | 305.452 | 20 | 4225 4222 4220 4214 |
| 1392 | 72.01 | A | 72.072 | 309.894 | 72.021 | 305.851 | 11 | 4225 4217 4215 |
| 1349 | 72.01 | A | 72.070 | 309.528 | 72.035 | 306.505 | 27 | 4224 4223 4217 |
| 1306 | 72.01 | A | 72.069 | 309.203 | 72.020 | 305.778 | 29 | 4224 4223 4217 4216 4215 |
| 1220 | 72.01 | A | 72.065 | 312.211 | 72.013 | 305.508 | 90 | 4231 4230 4229 4228 4226 4225 4222 4215 4214 |
| 675 | 72.02 | A | 71.225 | 328.601 | 72.052 | 308.057 | 667 | 3472 3763 3858 3857 3957 3956 3955 3954 3953<br>3952 4052 4051 4050 4049 4048 4047 4147 4146<br>4145 4144 4143 4142 4141 4140 4139 4239 4238<br>4237 4236 4235 4234 4233 4232 4231 4230 4229<br>4228 4226 4225 4224 4223 4221 |
| 431 | 72.02 | A | 70.988 | 331.061 | 72.058 | 308.991 | 785 | 3178 3471 3569 3666 3665 3763 3762 3761 3861<br>3860 3859 3858 3857 3957 3956 3955 3954 3953<br>4053 4052 4051 4050 4049 4048 4047 4147 4146<br>4145 4144 4143 4142 4141 4140 4240 4239 4238<br>4237 4236 4235 4234 4233 4232 4231 4229 4228<br>4226 4225 4224 4223 |
| 187 | 72.02 | A | 70.710 | 333.624 | 72.049 | 308.229 | 823 | 2985 2984 3278 3571 3569 3666 3665 3765 3764<br>3763 3762 3761 3861 3860 3859 3858 3958 3957<br>3956 3955 3954 3953 4053 4052 4051 4050 4049<br>4048 4148 4147 4146 4145 4144 4143 4142 4141<br>4140 4240 4239 4238 4237 4236 4235 4234 4233<br>4232 4231 4230 4229 4228 4226 4225 4224 4223<br>4222 4221 |

Table 2. Seasat IDR Greenland Catalog (Cont.)

| REV NUMBER | APPROXIMATE LATITUDE AND DIRECTION AT 315.0 E LONG A = ASCENDING D = DESCENDING | | STARTING LAT & LONG DEG N | DEG E | ENDING LAT & LONG DEG N | DEG E | NUMBER OF PTS | BINS THROUGH WHICH REV TRAVERSES |
|---|---|---|---|---|---|---|---|---|
| 718 | 72.04 | A | 70.789 | 334.161 | 72.046 | 309.008 | 920 | 2986 3086 3085 3378 3571 3671 3670 3669 3668<br>3768 3767 3766 3765 3764 3864 3863 3862 3861<br>3961 3960 3959 3958 3957 3956 4056 4055 4054<br>4053 4052 4051 4151 4150 4149 4148 4147 4146<br>4145 4144 4143 4243 4242 4241 4240 4239 4238<br>4237 4236 4235 4234 4233 4232 4231 4230 4229<br>4228 4226 4225 4224 4223 |
| 474 | 72.05 | A | 71.147 | 330.993 | 72.042 | 308.969 | 740 | 3378 3571 3671 3669 3766 3864 3863 3862 3861<br>3961 3960 3959 3958 3957 3956 4056 4055 4054<br>4053 4052 4051 4151 4150 4149 4148 4147 4146<br>4145 4144 4143 4243 4242 4241 4240 4239 4238<br>4237 4236 4235 4234 4233 4232 4231 4230 4229<br>4228 4227 4226 4225 4223 |
| 230 | 72.05 | A | 71.310 | 329.468 | 71.936 | 304.995 | 868 | 3574 3670 3768 3767 3766 3765 3865 3864 3863<br>3862 3861 3961 3960 3959 3958 3957 4057 4056<br>4055 4054 4053 4052 4051 4151 4150 4149 4148<br>4147 4146 4145 4144 4244 4243 4242 4241 4240<br>4239 4238 4237 4236 4235 4234 4233 4232 4231<br>4230 4229 4228 4226 4225 4113 |
| 517 | 72.06 | A | 71.108 | 332.832 | 71.997 | 308.170 | 677 | 3383 3382 3674 3964 4059 4058 4057 4056 4055<br>4155 4154 4153 4152 4151 4150 4149 4148 4147<br>4247 4246 4245 4244 4243 4242 4241 4240 4239<br>4238 4237 4236 4235 4234 4233 4232 4231 4230<br>4229 4228 4226 4225 4223 4222 4221 4121 |
| 273 | 72.06 | A | 72.026 | 317.604 | 71.849 | 304.291 | 340 | 4245 4244 4243 4242 4241 4240 4239 4238 4237<br>4236 4235 4234 4233 4232 4231 4230 4229 4227<br>4226 4225 4224 4223 4222 4121 4119 4115 4114<br>4011 |
| 761 | 72.06 | A | 71.338 | 330.727 | 72.011 | 308.893 | 867 | 3577 3771 3770 3769 3869 3868 3867 3866 3865<br>3965 3964 3963 3962 3961 4061 4060 4059 4058<br>4057 4056 4055 4155 4154 4153 4152 4151 4150<br>4149 4148 4248 4247 4246 4245 4244 4243 4242<br>4241 4240 4239 4238 4237 4236 4235 4234 4233<br>4232 4231 4230 4229 4228 4226 4225 4223 |
| 560 | 72.07 | A | 71.353 | 331.708 | 71.985 | 309.128 | 817 | 3580 3772 3872 3871 3870 3869 3868 3968 3967<br>3966 3965 3964 4064 4063 4062 4061 4059 4058<br>4158 4157 4156 4155 4154 4153 4152 4151 4251<br>4250 4249 4248 4247 4246 4245 4244 4243 4242<br>4241 4240 4239 4238 4237 4236 4235 4234 4233<br>4232 4231 4230 4229 4228 4227 4124 4123 |
| 572 | 59.09 | D | 59.901 | 316.127 | 59.901 | 316.127 | 1 | 17 |
| 773 | 59.78 | D | 60.348 | 315.859 | 60.206 | 315.619 | 3 | 16 |
| 285 | 59.94 | D | 60.247 | 315.436 | 60.096 | 315.183 | 12 | 16 |
| 529 | 60.00 | D | 61.280 | 317.068 | 60.079 | 314.975 | 21 | 98 97 57 56 16 15 |
| 443 | 61.65 | D | 62.073 | 315.680 | 60.943 | 313.572 | 19 | 176 136 135 94 |
| 687 | 61.71 | D | 62.754 | 316.882 | 60.902 | 313.329 | 48 | 217 176 136 94 |
| 1189 | 62.02 | D | 63.842 | 318.874 | 60.967 | 313.056 | 139 | 339 299 298 258 257 217 216 176 135<br>134 94 |
| 1232 | 62.02 | D | 63.272 | 317.584 | 60.965 | 313.043 | 145 | 298 258 257 217 216 176 175 135 134<br>94 |
| 1275 | 62.02 | D | 63.861 | 318.903 | 60.970 | 313.046 | 125 | 339 299 298 257 217 176 175 135 94 |

Table 2. Seasat IDR Greenland Catalog (Cont.)

| REV NUMBER | APPROXIMATE LATITUDE AND DIRECTION AT 315.0 E LONG A = ASCENDING D = DESCENDING | | STARTING LAT & LONG DEG N | DEG E | ENDING LAT & LONG DEG N | DEG E | NUMBER OF PTS | BINS THROUGH WHICH REV TRAVERSES |
|---|---|---|---|---|---|---|---|---|
| 1318 | 62.02 | D | 63.712 | 318.557 | 61.938 | 314.837 | 88 | 339 299 298 258 257 217 176 175 |
| 1361 | 62.02 | D | 63.622 | 318.353 | 60.830 | 312.793 | 83 | 339 299 298 258 217 176 94 53 |
| 1447 | 62.02 | D | 63.682 | 318.489 | 62.161 | 315.272 | 36 | 339 299 298 258 257 217 216 176 |
| 1490 | 62.02 | D | 63.685 | 318.500 | 61.940 | 314.846 | 70 | 339 299 298 258 257 216 176 175 |
| 1017 | 62.06 | D | 63.589 | 318.201 | 61.689 | 314.283 | 46 | 299 258 257 217 176 175 135 |
| 888 | 62.20 | D | 63.112 | 316.886 | 61.048 | 312.837 | 89 | 257 216 176 175 135 134 94 93 |
| 156 | 62.35 | D | 63.563 | 317.551 | 61.641 | 313.600 | 73 | 298 257 256 175 135 134 |
| 400 | 62.40 | D | 63.344 | 316.870 | 60.991 | 312.213 | 152 | 297 257 216 175 174 134 93 |
| 644 | 62.45 | D | 64.026 | 318.249 | 61.465 | 312.904 | 166 | 379 339 338 298 297 256 216 215 175<br>174 134 133 |
| 845 | 62.57 | D | 64.370 | 318.926 | 61.461 | 312.749 | 120 | 379 256 216 215 175 174 134 133 |
| 601 | 63.15 | D | 66.907 | 324.845 | 61.474 | 311.473 | 191 | 822 771 668 419 337 336 296 295 255<br>215 214 174 173 132 |
| 802 | 63.47 | D | 69.738 | 336.460 | 61.918 | 311.703 | 242 | 1992 1891 1890 1708 1463 822 770 719 566<br>463 419 418 336 296 295 255 254 214<br>213 173 172 |
| 558 | 63.80 | D | 69.565 | 334.653 | 61.751 | 310.546 | 448 | 1790 1707 1625 1379 1135 1134 971 821 666<br>616 564 514 513 463 462 417 377 376<br>336 335 295 294 254 253 213 212 172<br>131 |
| 759 | 64.35 | D | 69.198 | 331.511 | 62.591 | 310.996 | 381 | 1624 1132 888 819 768 767 717 716 665<br>614 563 513 512 461 416 376 375 335<br>334 294 293 253 252 212 211 |
| 271 | 64.37 | D | 69.984 | 335.841 | 62.745 | 311.259 | 313 | 2190 2189 2089 1885 1541 1458 1214 1213 1132<br>1131 819 666 665 614 416 415 375 335<br>334 294 293 253 252 212 |
| 515 | 64.42 | D | 68.898 | 329.819 | 62.874 | 311.347 | 315 | 1540 1459 1212 1132 887 818 716 666 665<br>664 614 563 562 416 415 375 334 293<br>253 252 |
| 228 | 64.95 | D | 70.084 | 335.038 | 62.949 | 310.251 | 363 | 2288 2085 1703 1702 1701 1620 1619 1538 1537<br>1047 966 885 884 817 816 766 765 715<br>664 663 612 562 561 511 459 415 414<br>374 373 333 332 292 291 251 |
| 472 | 64.99 | D | 69.999 | 334.310 | 62.821 | 309.793 | 507 | 2186 2085 2084 1982 1701 1292 1291 1210 1047<br>1046 966 885 884 817 816 766 715 714<br>664 663 612 561 560 510 509 459 415<br>414 374 373 333 332 292 291 250 |
| 716 | 65.06 | D | 69.983 | 334.099 | 62.840 | 309.727 | 468 | 2186 2084 2083 1700 1620 1456 1373 1292 1291<br>1210 1128 1047 966 965 885 884 817 816<br>766 765 715 714 664 663 612 611 561<br>560 510 459 458 415 414 374 373 333<br>332 292 291 251 250 |
| 429 | 65.53 | D | 70.139 | 333.759 | 63.133 | 309.013 | 817 | 2385 2182 1979 1878 1877 1781 1780 1697 1617<br>1370 1289 1207 1127 1126 1125 1045 1044 963<br>962 882 881 815 764 763 713 712 662<br>661 611 610 560 559 509 508 458 457<br>413 412 372 331 291 290 250 |

Table 2. Seasat IDR Greenland Catalog (Cont.)

| REV NUMBER | APPROXIMATE LATITUDE AND DIRECTION AT 315.0 E LONG A = ASCENDING D = DESCENDING | | STARTING LAT & LONG DEG N | DEG E | ENDING LAT & LONG DEG N | DEG E | NUMBER OF PTS | BINS THROUGH WHICH REV TRAVERSES |
|---|---|---|---|---|---|---|---|---|
| 673 | 65.57 | D | 69.737 | 331.124 | 63.265 | 309.126 | 689 | 1978 1877 1698 1697 1616 1534 1533 1371 1289<br>1207 1206 1126 1125 1045 1044 1043 963 962<br>881 880 815 814 764 763 713 712 662<br>661 611 610 609 559 558 508 507 457<br>413 412 372 331 290 |
| 1175 | 65.61 | D | 64.162 | 311.256 | 63.381 | 309.465 | 29 | 372 331 290 |
| 1218 | 65.61 | D | 64.387 | 311.790 | 63.528 | 309.782 | 40 | 372 331 290 |
| 1261 | 65.61 | D | 64.592 | 312.288 | 63.432 | 309.560 | 32 | 413 372 371 331 290 |
| 1390 | 65.61 | D | 63.383 | 309.445 | 63.285 | 309.231 | 13 | 290 |
| 1476 | 65.61 | D | 70.511 | 336.162 | 63.169 | 308.982 | 17 | 2791 290 249 |
| 874 | 65.75 | D | 69.264 | 328.245 | 63.499 | 309.333 | 739 | 1697 1696 1616 1615 1534 1533 1532 1452 1287<br>1207 1206 1126 1125 1124 1043 962 881 880<br>815 814 763 762 712 711 661 660 610<br>609 559 558 508 507 457 456 413 412<br>372 330 290 |
| 630 | 66.07 | D | 70.827 | 337.172 | 63.687 | 308.620 | 816 | 3093 1873 1778 1696 1613 1531 1450 1449 1448<br>1368 1367 1286 1285 1205 1204 1123 1122 1042<br>1041 1040 960 959 879 878 877 814 813<br>812 762 761 711 710 660 659 609 608<br>557 506 456 455 412 371 370 330 329 |
| 831 | 66.19 | D | 69.477 | 327.958 | 64.275 | 309.734 | 814 | 1776 1696 1695 1694 1612 1532 1531 1530 1448<br>1366 1286 1285 1284 1204 1203 1123 1122 1041<br>960 959 958 878 877 813 812 762 761<br>711 710 660 659 658 608 607 557 556<br>506 505 455 411 370 |
| 587 | 66.55 | D | 70.986 | 337.118 | 64.639 | 309.448 | 863 | 3193 2479 2275 2175 1870 1869 1775 1774 1693<br>1692 1529 1447 1446 1365 1364 1284 1283 1282<br>1202 1201 1200 1120 1119 1039 1038 1037 957<br>956 876 875 812 811 810 760 759 709<br>708 658 657 607 606 556 555 505 504<br>454 453 410 |
| 788 | 66.82 | D | 71.121 | 337.569 | 65.203 | 310.106 | 844 | 3394 3294 3293 3292 2985 2883 2782 2578 2477<br>2172 2071 1969 1868 1867 1774 1773 1772 1692<br>1691 1609 1608 1526 1444 1364 1363 1362 1282<br>1281 1280 1200 1199 1119 1118 1117 1037 1036<br>956 955 954 874 873 811 810 809 759<br>758 708 707 657 656 606 605 555 554<br>504 503 |
| 544 | 66.99 | D | 70.669 | 332.999 | 64.669 | 308.079 | 771 | 2883 2781 1968 1867 1772 1771 1526 1444 1443<br>1363 1362 1361 1281 1280 1279 1199 1198 1118<br>1117 1116 1036 1035 954 953 873 872 810<br>809 759 758 757 707 706 656 655 605<br>604 554 553 503 502 452 451 409 |
| 257 | 67.38 | D | 71.128 | 335.768 | 65.327 | 308.544 | 699 | 3390 2371 2269 2066 1965 1862 1770 1605 1524<br>1523 1522 1442 1441 1440 1360 1359 1358 1278<br>1277 1197 1196 1195 1115 1114 1033 1032 952<br>951 871 870 869 808 807 757 756 706<br>705 655 654 604 603 552 551 501 |

Table 2. Seasat IDR Greenland Catalog (Cont.)

| REV NUMBER | APPROXIMATE LATITUDE AND DIRECTION AT 315.0 E LONG A = ASCENDING D = DESCENDING | | STARTING LAT & LONG DEG N | DEG E | ENDING LAT & LONG DEG N | DEG E | NUMBER OF PTS | BINS THROUGH WHICH REV TRAVERSES |
|---|---|---|---|---|---|---|---|---|
| 501 | 67.41 | D | 70.502 | 330.295 | 65.479 | 308.775 | 837 | 2776 2676 2269 2268 2168 2167 2166 2066 2065<br>1965 1862 1768 1605 1604 1603 1523 1522 1442<br>1441 1440 1360 1359 1358 1278 1277 1276 1196<br>1195 1115 1114 1113 1033 1032 952 951 950<br>870 869 808 807 757 756 706 705 654<br>653 552 551 |
| 1161 | 68.10 | D | 71.460 | 336.674 | 66.215 | 308.406 | 16 | 3692 864 805 651 |
| 1204 | 68.11 | D | 67.081 | 311.186 | 65.948 | 307.596 | 61 | 804 754 753 702 651 650 600 |
| 1333 | 68.11 | D | 66.601 | 309.579 | 66.386 | 308.903 | 5 | 752 702 |
| 1376 | 68.11 | D | 71.442 | 336.417 | 66.507 | 309.282 | 14 | 3692 3691 702 |
| 1419 | 68.11 | D | 66.574 | 309.493 | 65.867 | 307.345 | 10 | 702 650 600 |
| 1032 | 68.11 | D | 71.094 | 332.637 | 66.128 | 308.073 | 571 | 3282 2974 2873 2771 2669 2567 2566 2466 2465<br>2364 2263 1958 1957 1857 1856 1855 1764 1763<br>1762 1682 1681 1680 1600 1599 1598 1517 1436<br>1435 1355 1354 1273 1272 1271 1191 1109 1028<br>1027 1026 946 945 865 864 805 804 754<br>702 651 |
| 659 | 68.19 | D | 71.155 | 332.783 | 66.965 | 310.253 | 678 | 3382 3381 3281 2974 2872 2770 2667 2567 2566<br>2565 2465 2464 2260 2160 2159 2059 2058 2057<br>1957 1956 1856 1855 1854 1764 1763 1762 1761<br>1681 1680 1679 1599 1598 1597 1517 1516 1435<br>1434 1352 1272 1271 1270 1190 1189 1108 1107<br>1027 1026 944 864 863 804 803 |
| 616 | 68.53 | D | 71.567 | 336.124 | 66.730 | 308.023 | 691 | 3791 3277 2766 2765 2665 2664 2663 2563 2562<br>2561 2461 2460 2360 2359 2358 2258 2257 2156<br>2155 2055 2054 2053 1953 1952 1852 1851 1761<br>1760 1759 1758 1678 1677 1676 1596 1595 1594<br>1514 1513 1432 1431 1351 1350 1349 1269 1268<br>1267 1187 1186 1105 1104 1024 1023 942 941<br>802 801 751 |
| 573 | 68.86 | D | 71.683 | 336.383 | 66.737 | 306.600 | 803 | 3891 3890 3581 3580 3579 3479 3478 3477 3375<br>3374 3273 3272 3170 3068 2965 2863 2763 2762<br>2761 2661 2660 2559 2558 2458 2457 2456 2356<br>2355 2354 2254 2253 2153 2152 2151 2051 2050<br>1950 1949 1848 1847 1758 1757 1756 1676 1675<br>1674 1593 1592 1511 1510 1430 1429 1428 1348<br>1347 1346 1266 1265 1184 1183 1103 1102 1101<br>1021 1020 940 857 800 799 749 |
| 774 | 69.08 | D | 71.746 | 336.405 | 67.515 | 308.285 | 610 | 3992 3991 3271 3270 3269 3168 3167 3067 3066<br>3065 2965 2964 2963 2863 2862 2861 2761 2760<br>2759 2659 2658 2657 2557 2556 2555 2455 2454<br>2354 2353 2352 2252 2251 2250 2150 2149 2049<br>2048 1947 1946 1845 1755 1754 1672 1591 1509<br>1428 1427 1182 1181 1100 1099 1019 1018 938<br>937 |
| 286 | 69.14 | D | 71.771 | 336.642 | 67.496 | 307.959 | 610 | 3992 3371 3271 3270 3269 3167 3065 3064 2964<br>2963 2962 2862 2861 2860 2760 2759 2758 2658<br>2657 2656 2556 2555 2455 2454 2453 2353 2352<br>2351 2251 2250 2150 2149 2148 2048 2047 1845<br>1754 1753 1673 1672 1671 1591 1590 1589 1427<br>1425 1345 1344 1264 1263 1262 1182 936 |

Table 2. Seasat IDR Greenland Catalog (Cont.)

| REV NUMBER | APPROXIMATE LATITUDE AND DIRECTION AT 315.0 E LONG A = ASCENDING D = DESCENDING | | STARTING LAT & LONG DEG N | DEG E | ENDING LAT & LONG DEG N | DEG E | NUMBER OF PTS | BINS THROUGH WHICH REV TRAVERSES |
|---|---|---|---|---|---|---|---|---|
| 530 | 69.16 | D | 71.783 | 336.667 | 67.258 | 306.921 | 540 | 3992 3991 3990 3578 3577 3371 3370 3270 3166<br>3064 2964 2963 2962 2862 2861 2860 2760 2759<br>2758 2658 2657 2656 2556 2555 2554 2454 2453<br>2352 2351 2251 2250 2249 2149 2148 1755 1754<br>1753 1672 1590 1427 1426 1425 1344 1263 1262<br>1181 1099 1018 1017 937 936 935 855 854 |
| 243 | 69.42 | D | 71.233 | 328.002 | 67.725 | 307.375 | 453 | 3471 3470 3368 3266 3265 3163 3061 2959 2756<br>2755 2655 2654 2653 2553 2552 2551 2451 2450<br>2449 2349 2348 2248 2247 2246 2146 2145 2045<br>2044 2043 1943 1942 1841 1752 1751 1750 1670<br>1669 1588 1586 1506 1505 1504 1423 1342 1341<br>1260 1015 |
| 200 | 69.68 | D | 71.761 | 333.607 | 68.148 | 307.601 | 622 | 3985 3984 3777 3675 3570 3468 3467 3466 3366<br>3365 3364 3264 3263 3262 3261 3161 3160 3159<br>3059 3058 3057 2957 2956 2955 2855 2854 2853<br>2753 2752 2751 2651 2650 2649 2549 2548 2547<br>2447 2446 2345 2344 2243 2143 2142 2141 2041<br>2040 1940 1939 1938 1838 1837 1749 1748 1667<br>1666 1665 1585 1584 1583 1503 1502 1501 1421<br>1339 1176 |
| 444 | 69.70 | D | 71.878 | 335.777 | 68.822 | 310.346 | 494 | 4090 3672 3570 3365 3263 3160 3159 3058 3057<br>3056 2956 2955 2954 2854 2751 2650 2649 2549<br>2548 2547 2447 2446 2445 2345 2344 2244 2243<br>2242 2142 2141 2041 2040 2039 1939 1938 1838<br>1837 1748 1747 1666 1665 1584 1583 1502 1501 |
| 688 | 69.72 | D | 71.441 | 328.535 | 68.585 | 309.091 | 549 | 3672 3262 3261 3260 3160 3159 3158 3058 3057<br>3056 2956 2955 2954 2854 2853 2852 2752 2751<br>2750 2650 2649 2648 2548 2547 2446 2445 2345<br>2344 2242 2142 2141 2140 2040 2039 1938 1837<br>1749 1747 1667 1666 1665 1584 1583 1502 1501<br>1421 1339 |
| 1147 | 69.83 | D | 68.745 | 309.391 | 68.715 | 309.251 | 7 | 1419 |
| 1190 | 69.83 | D | 69.286 | 311.992 | 68.940 | 310.282 | 12 | 1664 1583 1501 |
| 1276 | 69.83 | D | 69.477 | 312.978 | 69.005 | 310.574 | 24 | 1746 1665 1664 1582 |
| 1405 | 69.83 | D | 71.876 | 334.953 | 68.154 | 306.807 | 2 | 4088 1174 |
| 1491 | 69.83 | D | 71.879 | 334.999 | 68.874 | 309.950 | 14 | 4088 1501 1500 |
| 1018 | 69.84 | D | 71.597 | 330.040 | 69.251 | 311.723 | 548 | 3776 3775 3671 3568 3261 3260 3259 3159 3158<br>3157 3057 3056 3055 2955 2954 2953 2853 2852<br>2851 2751 2750 2749 2649 2648 2647 2547 2546<br>2545 2445 2444 2343 2342 2242 2241 2240 2140<br>2139 2038 2037 1937 1835 1746 1665 1664 |
| 889 | 69.89 | D | 71.657 | 330.687 | 68.840 | 309.463 | 640 | 3877 3875 3671 3568 3566 3466 3465 3464 3361<br>3261 3260 3259 3258 3158 3157 3156 3056 3055<br>3054 2954 2953 2952 2852 2851 2850 2750 2749<br>2748 2648 2647 2646 2546 2545 2445 2444 2443<br>2343 2342 2341 2241 2240 2140 2139 2037 1937<br>1936 1834 1747 1746 1745 1665 1664 1663 1583<br>1499 |

Table 2. Seasat IDR Greenland Catalog (Cont.)

| REV NUMBER | APPROXIMATE LATITUDE AND DIRECTION AT 315.0 E LONG A = ASCENDING D = DESCENDING | | STARTING LAT & LONG DEG N | DEG E | ENDING LAT & LONG DEG N | DEG E | NUMBER OF PTS | BINS THROUGH WHICH REV TRAVERSES |
|---|---|---|---|---|---|---|---|---|
| 401 | 69.95 | D | 71.680 | 330.606 | 68.899 | 309.260 | 264 | 3877 3772 3670 3565 3462 3360 3155 3055 3054<br>3053 2953 2952 2951 2851 2850 2849 2749 2748<br>2646 2645 2442 2342 2341 2239 2138 1746 1745<br>1664 1663 1580 1500 1499 |
| 645 | 69.97 | D | 71.920 | 335.139 | 68.859 | 308.895 | 635 | 4188 4086 4084 4083 4082 3978 3877 3876 3874<br>3669 3567 3566 3564 3462 3361 3360 3359 3259<br>3258 3257 3157 3156 3155 3154 3054 3053 3052<br>2952 2951 2950 2850 2849 2848 2748 2747 2746<br>2646 2645 2545 2544 2543 2443 2442 2441 2341<br>2340 2240 2239 2238 2138 2137 2036 1934 1833<br>1832 1746 1745 1744 1663 1581 1580 1499 1498 |
| 846 | 70.00 | D | 71.672 | 330.105 | 68.958 | 309.216 | 638 | 3876 3875 3772 3669 3667 3564 3462 3461 3361<br>3360 3359 3259 3258 3257 3256 3156 3155 3154<br>3054 3053 3052 2952 2951 2950 2850 2849 2848<br>2748 2747 2746 2646 2645 2644 2544 2543 2443<br>2442 2441 2341 2340 2239 2238 2137 2136 2036<br>2035 1935 1933 1833 1745 1744 1743 1663 1662<br>1499 |
| 803 | 70.30 | D | 71.960 | 334.170 | 69.319 | 309.108 | 474 | 4186 4184 4183 3975 3974 3972 3870 3869 3767<br>3665 3662 3562 3561 3560 3559 3459 3458 3457<br>3456 3356 3355 3354 3254 3253 3252 3151 3150<br>2947 2946 2945 2845 2844 2843 2743 2742 2641<br>2640 2539 2538 2437 2436 2335 2234 2233 2133<br>2132 1659 |
| 559 | 70.41 | D | 71.929 | 332.481 | 69.499 | 309.216 | 749 | 4182 4181 4076 3971 3766 3764 3763 3663 3662<br>3661 3660 3560 3559 3558 3557 3457 3456 3455<br>3454 3354 3353 3352 3252 3251 3250 3249 3149<br>3148 3147 3047 3046 3045 2945 2944 2943 2843<br>2842 2841 2741 2740 2739 2639 2638 2637 2537<br>2536 2436 2435 2434 2334 2333 2232 2231 2131<br>2130 2129 2029 2028 1928 1826 1739 |
| 760 | 70.58 | D | 71.895 | 330.394 | 70.041 | 311.170 | 617 | 4076 4075 3968 3866 3763 3762 3761 3760 3660<br>3659 3658 3657 3557 3556 3555 3554 3454 3453<br>3452 3451 3351 3350 3349 3249 3248 3247 3145<br>3144 3044 3043 3042 2942 2941 2940 2840 2839<br>2838 2737 2635 2634 2534 2533 2432 2431 2331<br>2330 2229 2228 |
| 272 | 70.59 | D | 72.051 | 336.279 | 69.867 | 310.053 | 810 | 4291 4290 4288 4287 4285 4183 4181 4075 4072<br>3970 3969 3968 3967 3867 3866 3865 3864 3863<br>3763 3762 3761 3760 3660 3659 3658 3657 3557<br>3556 3555 3554 3454 3453 3452 3451 3351 3350<br>3349 3249 3248 3247 3246 3145 3144 3044 3043<br>3042 2942 2941 2940 2840 2839 2838 2737 2736<br>2635 2634 2534 2533 2432 2431 2331 2330 2229<br>2228 2127 2026 |
| 516 | 70.61 | D | 72.019 | 334.122 | 69.643 | 308.571 | 731 | 4286 4285 4183 4075 3968 3967 3866 3865 3864<br>3863 3763 3762 3761 3760 3759 3659 3658 3657<br>3656 3556 3555 3554 3553 3453 3452 3451 3351<br>3350 3349 3348 3248 3247 3145 3144 3044 3043<br>3042 3041 2941 2940 2939 2839 2838 2737 2635<br>2634 2534 2533 2432 2431 2228 2127 1822 |

Table 2. Seasat IDR Greenland Catalog (Cont.)

| REV NUMBER | APPROXIMATE LATITUDE AND DIRECTION AT 315.0 E LONG A = ASCENDING D = DESCENDING | | STARTING LAT & LONG DEG N | STARTING LAT & LONG DEG E | ENDING LAT & LONG DEG N | ENDING LAT & LONG DEG E | NUMBER OF PTS | BINS THROUGH WHICH REV TRAVERSES |
|---|---|---|---|---|---|---|---|---|
| 229 | 70.78 | D | 71.862 | 328.222 | 70.198 | 310.700 | 490 | 4071 4070 4069 3967 3759 3758 3757 3756 3656<br>3655 3654 3653 3553 3552 3551 3550 3450 3449<br>3448 3348 3347 3346 3345 3245 3244 3243 3143<br>3142 3141 3040 3039 2937 2936 2836 2835 2734<br>2733 2632 2631 2531 2530 2429 2327 |
| 473 | 70.79 | D | 72.062 | 335.966 | 69.723 | 307.589 | 667 | 4290 4289 4288 4287 4283 4282 4180 4178 4177<br>4176 4175 4070 4068 4067 3965 3964 3963 3863<br>3862 3861 3860 3859 3759 3758 3757 3756 3656<br>3655 3654 3653 3553 3552 3551 3550 3450 3449<br>3448 3447 3347 3346 3345 3245 3244 3243 3242<br>3142 3141 3140 3040 3039 3038 2936 2835 2834<br>2732 2632 2631 2428 2427 2327 1920 1919 |
| 717 | 70.81 | D | 72.045 | 333.944 | 70.013 | 309.212 | 700 | 4285 4284 4179 4175 4070 4067 3967 3966 3965<br>3964 3963 3863 3862 3861 3860 3859 3759 3758<br>3757 3756 3755 3655 3654 3653 3652 3552 3551<br>3550 3549 3449 3448 3447 3347 3346 3345 3344<br>3244 3243 3242 3142 3141 3040 3039 3038 2937<br>2936 2835 2834 2733 2732 2632 2631 2529 2528<br>2428 2427 2224 |
| 186 | 70.95 | D | 72.065 | 336.063 | 69.641 | 305.868 | 680 | 4291 4290 4288 4287 4283 4282 4280 4279 4278<br>4173 4170 4067 4065 3962 3860 3859 3858 3857<br>3856 3756 3755 3754 3753 3653 3652 3651 3650<br>3649 3549 3548 3547 3447 3446 3445 3444 3344<br>3343 3342 3341 3241 3240 3239 3139 3138 3137<br>3037 3036 3035 2934 2933 2833 2832 2831 2731<br>2730 2729 2628 2627 2424 2324 2323 2322 2222<br>2221 1816 1815 |
| 430 | 70.96 | D | 72.065 | 335.969 | 70.210 | 309.147 | 602 | 4290 4280 4176 4175 4172 4171 4069 4066 3961<br>3859 3856 3756 3755 3754 3753 3752 3652 3651<br>3650 3649 3549 3548 3547 3546 3446 3445 3444<br>3343 3342 3341 3241 3240 3239 3139 3138 3137<br>3136 3036 3035 3034 2934 2933 2832 2831 2830<br>2730 2729 2728 2628 2525 2425 2423 |
| 674 | 70.97 | D | 71.787 | 324.853 | 71.022 | 315.271 | 275 | 3963 3960 3855 3755 3754 3753 3752 3652 3651<br>3650 3649 3549 3548 3547 3546 3445 3443 3343<br>3342 3341 3241 3240 3239 |
| 1176 | 70.99 | D | 70.217 | 309.036 | 69.672 | 305.706 | 16 | 2423 2322 2321 2221 1815 |
| 1219 | 70.99 | D | 70.564 | 311.469 | 70.220 | 309.040 | 18 | 2729 2628 2627 2526 2424 2423 |
| 1305 | 70.99 | D | 72.074 | 335.822 | 72.074 | 335.725 | 4 | 4290 |
| 1391 | 70.99 | D | 72.072 | 336.306 | 69.615 | 305.362 | 21 | 4291 4290 4288 4287 1814 |
| 1434 | 70.99 | D | 72.074 | 335.714 | 69.657 | 305.594 | 2 | 4290 1814 |
| 1477 | 70.99 | D | 72.074 | 336.011 | 70.064 | 308.019 | 23 | 4291 4290 2423 2322 2321 2221 |
| 875 | 71.03 | D | 72.062 | 333.541 | 69.867 | 306.464 | 596 | 4284 4170 4067 4065 3962 3960 3959 3958 3858<br>3857 3856 3855 3854 3754 3753 3752 3751 3651<br>3650 3649 3648 3548 3547 3546 3545 3445 3444<br>3443 3442 3342 3341 3340 3240 3239 3238 3237<br>3137 3136 3135 3033 2933 2931 2830 2829 2729<br>2728 2525 2423 2422 2322 2321 2017 |

Table 2. Seasat IDR Greenland Catalog (Cont.)

| REV NUMBER | APPROXIMATE LATITUDE AND DIRECTION AT 315.0 E LONG A = ASCENDING D = DESCENDING | | STARTING LAT & LONG DEG N | DEG E | ENDING LAT & LONG DEG N | DEG E | NUMBER OF PTS | BINS THROUGH WHICH REV TRAVERSES |
|---|---|---|---|---|---|---|---|---|
| 631 | 71.13 | D | 72.056 | 336.124 | 69.971 | 305.989 | 600 | 4291 4282 4281 4277 4274 4273 4172 4167 4064<br>4062 3959 3958 3957 3956 3955 3855 3854 3853<br>3852 3851 3751 3750 3749 3748 3648 3647 3646<br>3645 3545 3544 3543 3542 3442 3441 3440 3439<br>3339 3338 3337 3237 3236 3235 3135 3134 3133<br>3132 3032 3031 3030 2929 2928 2827 2826 2116<br>2115 |
| 832 | 71.16 | D | 72.069 | 333.945 | 70.693 | 310.739 | 564 | 4285 4275 4273 4063 4060 3958 3957 3956 3955<br>3854 3853 3852 3851 3751 3750 3749 3748 3747<br>3647 3646 3645 3644 3544 3543 3542 3541 3441<br>3440 3439 3339 3338 3337 3336 3236 3235 3234<br>3134 3133 3132 3032 3031 3030 2930 2929 2928<br>2827 |
| 588 | 71.27 | D | 72.062 | 331.181 | 70.796 | 310.395 | 735 | 4278 4273 4167 4166 4165 4163 4162 4161 4061<br>4060 4059 4058 4057 4056 3956 3955 3954 3953<br>3952 3852 3851 3850 3849 3848 3748 3747 3746<br>3745 3744 3644 3643 3642 3641 3541 3540 3539<br>3538 3438 3437 3436 3335 3334 3233 3232 3130<br>3028 3027 2927 2926 |
| 258 | 71.51 | D | 72.062 | 328.753 | 70.994 | 309.425 | 754 | 4272 4270 4267 4266 4265 4264 4263 4262 4162<br>4161 4160 4159 4158 4157 4156 4155 4055 4054<br>4053 4052 4051 4050 4049 3949 3948 3947 3946<br>3945 3845 3844 3843 3842 3841 3741 3740 3739<br>3738 3638 3637 3636 3635 3535 3534 3533 3532<br>3431 3329 3327 3226 3225 3124 |
| 502 | 71.51 | D | 71.922 | 322.051 | 71.279 | 312.062 | 35 | 4156 4155 4154 4054 3532 3431 |
| 459 | 71.62 | D | 72.061 | 327.099 | 71.118 | 308.974 | 777 | 4268 4267 4265 4264 4263 4262 4261 4260 4259<br>4258 4158 4157 4156 4155 4154 4153 4152 4151<br>4051 4050 4049 4048 4047 4046 4045 3945 3944<br>3943 3942 3941 3841 3840 3839 3838 3837 3737<br>3736 3735 3734 3634 3633 3632 3631 3530 3529<br>3528 3426 3325 3324 3323 |
| 1162 | 71.70 | D | 71.432 | 311.229 | 71.270 | 309.385 | 26 | 3629 3628 3527 3526 3424 |
| 1205 | 71.70 | D | 71.435 | 311.242 | 71.240 | 309.042 | 34 | 3629 3628 3528 3527 3526 3525 3423 |
| 1248 | 71.70 | D | 71.526 | 312.374 | 71.247 | 309.102 | 47 | 3731 3630 3527 3526 3424 3423 |
| 1291 | 71.70 | D | 71.881 | 335.984 | 71.885 | 335.908 | 3 | 4090 |
| 1377 | 71.70 | D | 71.881 | 335.975 | 71.882 | 335.938 | 3 | 4090 |
| 172 | 71.71 | D | 71.995 | 332.362 | 71.255 | 309.116 | 609 | 4181 4273 4272 4270 4267 4263 4260 4257 4256<br>4255 4155 4154 4153 4152 4151 4150 4149 4148<br>4048 4047 4046 4045 4044 4043 4042 3942 3941<br>3940 3939 3938 3838 3837 3836 3835 3834 3734<br>3733 3732 3630 3629 3628 3526 3424 3423 |
| 617 | 71.80 | D | 71.753 | 336.435 | 70.990 | 304.690 | 612 | 3992 4182 4181 4274 4273 4272 4264 4263 4262<br>4261 4260 4259 4258 4257 4256 4255 4254 4253<br>4252 4251 4250 4150 4149 4148 4147 4146 4145<br>4144 4143 4043 4042 4041 4040 4039 4038 3938<br>3937 3936 3935 3934 3933 3833 3832 3729 3728<br>3522 3213 3112 |
| 574 | 71.87 | D | 72.064 | 324.774 | 71.898 | 315.464 | 33 | 4262 4258 4140 4139 4039 |

Table 2. Seasat IDR Greenland Catalog (Cont.)

| REV NUMBER | APPROXIMATE LATITUDE AND DIRECTION AT 315.0 E LONG A = ASCENDING D = DESCENDING | | STARTING LAT & LONG DEG N | DEG E | ENDING LAT & LONG DEG N | DEG E | NUMBER OF PTS | BINS THROUGH WHICH REV TRAVERSES |
|---|---|---|---|---|---|---|---|---|
| 775 | 71.91 | D | 71.690 | 335.084 | 71.638 | 309.627 | 745 | 3888 3988 3985 4267 4266 4265 4264 4263 4262<br>4261 4260 4259 4258 4257 4256 4255 4254 4253<br>4252 4251 4250 4249 4248 4247 4246 4245 4244<br>4144 4143 4142 4141 4140 4139 4138 4137 4037<br>4036 4035 4034 4033 4032 4031 3931 3929 3928<br>3825 |
| 287 | 71.92 | D | 71.991 | 327.967 | 71.678 | 310.001 | 723 | 4170 4268 4265 4264 4263 4262 4261 4260 4259<br>4258 4257 4256 4255 4254 4253 4252 4251 4250<br>4249 4248 4247 4246 4245 4244 4144 4143 4142<br>4141 4140 4139 4138 4137 4136 4036 4035 4034<br>4033 4032 4031 3929 3927 3826 |
| 244 | 71.97 | D | 71.428 | 336.944 | 71.560 | 306.846 | 695 | 3693 3790 3885 4074 4170 4167 4264 4262 4261<br>4260 4259 4258 4257 4256 4255 4254 4253 4252<br>4251 4250 4249 4248 4247 4246 4245 4244 4243<br>4242 4241 4240 4140 4139 4138 4137 4136 4135<br>4134 4133 4033 4032 4031 4030 4029 4028 3927<br>3925 3718 |
| 488 | 71.98 | D | 71.968 | 327.139 | 71.823 | 310.967 | 748 | 4168 4166 4265 4264 4263 4262 4261 4260 4259<br>4258 4257 4256 4255 4254 4253 4252 4251 4250<br>4249 4248 4247 4246 4245 4244 4243 4242 4241<br>4240 4140 4139 4138 4137 4136 4135 4134 4133<br>4132 4032 4031 4030 4029 4028 |
| 201 | 72.01 | D | 71.455 | 335.175 | 71.563 | 305.442 | 728 | 3688 3880 4169 4164 4163 4162 4262 4261 4260<br>4259 4258 4257 4256 4255 4254 4253 4252 4251<br>4250 4249 4248 4247 4246 4245 4244 4243 4242<br>4241 4240 4239 4238 4237 4137 4136 4135 4134<br>4133 4132 4130 4028 4027 4026 3923 3714 |
| 445 | 72.01 | D | 71.677 | 331.884 | 71.848 | 310.050 | 718 | 3880 3978 3976 4071 4070 4169 4167 4164 4163<br>4162 4262 4261 4260 4259 4258 4257 4256 4255<br>4254 4253 4252 4251 4250 4249 4248 4247 4246<br>4245 4244 4243 4242 4241 4240 4239 4238 4237<br>4236 4136 4135 4134 4133 4132 4130 4028 4027<br>4026 |
| 689 | 72.02 | D | 71.737 | 330.754 | 71.807 | 309.007 | 636 | 3977 4072 4070 4069 4169 4168 4167 4166 4165<br>4164 4163 4261 4258 4257 4256 4255 4254 4253<br>4252 4251 4250 4249 4248 4247 4246 4245 4244<br>4243 4242 4241 4240 4239 4238 4237 4236 4135<br>4134 4133 4132 4130 4026 4023 |
| 1148 | 72.03 | D | 71.176 | 337.573 | 71.860 | 309.568 | 38 | 3394 4129 4128 4127 4027 4026 4024 |
| 1191 | 72.03 | D | 71.956 | 311.924 | 71.800 | 308.311 | 59 | 4130 4129 4128 4127 4027 4026 4025 4023 4021<br>3921 |
| 1234 | 72.03 | D | 71.185 | 337.489 | 71.605 | 305.097 | 32 | 3394 4132 4130 4129 4128 4025 3813 |
| 1320 | 72.03 | D | 71.256 | 336.741 | 71.317 | 336.083 | 4 | 3492 3591 |
| 1406 | 72.03 | D | 71.591 | 304.897 | 71.591 | 304.897 | 1 | 3713 |
| 1449 | 72.03 | D | 71.308 | 336.191 | 71.319 | 336.066 | 8 | 3591 |
| 1492 | 72.03 | D | 71.253 | 336.791 | 71.619 | 305.287 | 18 | 3492 3590 3589 3688 3814 |
| 1019 | 72.03 | D | 71.869 | 327.741 | 71.764 | 307.594 | 640 | 4070 4167 4164 4163 4162 4161 4261 4260 4259<br>4258 4257 4256 4255 4254 4253 4252 4251 4250<br>4249 4248 4247 4246 4245 4244 4243 4242 4241<br>4240 4239 4238 4237 4236 4235 4134 4133 4132<br>4130 4129 4128 4127 4025 4024 4023 3919 |

Table 2. Seasat IDR Greenland Catalog (Cont.)

| REV NUMBER | APPROXIMATE LATITUDE AND DIRECTION AT 315.0 E LONG A = ASCENDING D = DESCENDING | | STARTING LAT & LONG DEG N | DEG E | ENDING LAT & LONG DEG N | DEG E | NUMBER OF PTS | BINS THROUGH WHICH REV TRAVERSES |
|---|---|---|---|---|---|---|---|---|
| 890 | 72.04 | D | 71.627 | 331.720 | 71.877 | 309.651 | 690 | 3880 3975 4071 4070 4069 4068 4067 4167 4165<br>4164 4163 4162 4161 4160 4260 4259 4258 4257<br>4256 4255 4254 4253 4252 4251 4250 4249 4248<br>4247 4246 4245 4244 4243 4242 4241 4240 4239<br>4238 4237 4236 4235 4234 4233 4133 4132 4130<br>4128 4127 4025 |
| 158 | 72.04 | D | 71.286 | 335.709 | 71.894 | 309.835 | 561 | 3490 3973 4071 4068 4165 4163 4162 4160 4257<br>4256 4255 4254 4253 4252 4251 4250 4249 4248<br>4247 4246 4245 4244 4243 4242 4241 4240 4239<br>4238 4237 4236 4235 4234 4233 4133 4132 4130<br>4128 4127 4126 4125 4025 |
| 646 | 72.04 | D | 71.074 | 337.507 | 71.606 | 304.224 | 799 | 3294 3394 3393 3392 3491 3490 3684 3878 3877<br>3875 3975 3974 3972 4070 4067 4165 4164 4163<br>4162 4161 4160 4159 4158 4257 4256 4255 4254<br>4253 4252 4251 4250 4249 4248 4247 4246 4245<br>4244 4243 4242 4241 4240 4239 4238 4237 4236<br>4235 4234 4233 4232 4132 4131 4130 4129 4128<br>4127 4126 4125 4022 4020 3812 3811 |
| 847 | 72.05 | D | 71.119 | 336.964 | 71.625 | 304.340 | 643 | 3393 4070 4069 4068 4066 4163 4160 4159 4158<br>4257 4256 4255 4254 4253 4252 4251 4250 4249<br>4248 4247 4246 4245 4244 4243 4242 4241 4240<br>4239 4238 4237 4236 4235 4234 4233 4232 4231<br>4131 4130 4128 4127 4126 4124 3811 |
| 603 | 72.06 | D | 70.896 | 337.678 | 71.737 | 304.836 | 743 | 3095 3195 3194 3291 3290 3390 3582 3682 3778<br>3777 3873 3968 4065 4064 4063 4062 4162 4161<br>4160 4159 4158 4157 4156 4155 4154 4254 4253<br>4252 4251 4250 4249 4248 4247 4246 4245 4244<br>4243 4242 4241 4240 4239 4238 4237 4236 4235<br>4234 4233 4232 4231 4230 4125 4124 3914 3913 |
| 804 | 72.06 | D | 71.504 | 330.770 | 71.735 | 304.182 | 634 | 3777 3873 3968 4065 4064 4063 4062 4159 4157<br>4154 4153 4253 4252 4251 4250 4249 4248 4247<br>4246 4245 4244 4243 4242 4241 4240 4239 4238<br>4237 4236 4235 4234 4233 4232 4231 4230 4229<br>4228 4126 4125 4124 4123 4014 3914 3913 3912<br>3911 |

Table 3. Summary of Seasat Greenland Orbit Adjustment

| REV | NUM PTS | COEFFICIENTS (1) | (2) | (3) | TIME (FRAC OF DAY) AT 310.E | 320.E | 330.E | ORB ADJ (M) AT 310.E | 320.E | 330.E | START LAT | START LON | END LAT | END LON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 146 | 81 | -0.12210D 01 | 0.14418D 03 | 0.0 | .0136293 | .0122073 | .0101568 | 0.744 | 0.539 | 0.243 | 60.89 | 315.24 | 64.29 | 308.22 |
| 156 | 73 | -0.64367D 02 | 0.59160D 04 | -0.13509D 06 | .0210071 | .0196986 | .0187124 | 0.297 | -0.249 | -0.966 | 63.56 | 317.55 | 61.64 | 313.60 |
| 158 | 561 | -0.51920D-01 | 0.93662D 02 | -0.89803D 04 | .0042160 | .0036242 | .0030267 | 0.183 | 0.170 | 0.149 | 71.29 | 335.71 | 71.89 | 309.84 |
| 160 | 330 | 0.63429D 00 | -0.59256D 02 | -0.41959D 01 | .0145630 | .0134766 | .0119976 | -0.230 | -0.165 | -0.077 | 64.52 | 316.49 | 67.71 | 306.79 |
| 172 | 609 | -0.58924D 01 | 0.61031D 03 | -0.12899D 05 | .0185198 | .0179070 | .0173161 | 0.986 | 0.900 | 0.808 | 71.99 | 332.36 | 71.25 | 309.12 |
| 173 | 824 | -0.28782D 01 | 0.57241D 03 | -0.19329D 05 | .0103854 | .0097681 | .0090887 | 0.982 | 0.869 | 0.728 | 69.81 | 330.91 | 71.95 | 308.76 |
| 174 | 386 | -0.44679D 01 | 0.82876D 03 | -0.33454D 05 | .0080864 | .0072107 | .0060886 | 0.046 | -0.231 | -0.662 | 66.47 | 319.89 | 69.76 | 306.14 |
| 186 | 680 | -0.25743D 01 | 0.68048D 02 | 0.40014D 04 | .0191070 | .0184454 | .0178369 | 0.187 | 0.042 | -0.087 | 72.07 | 336.06 | 69.64 | 305.87 |
| 187 | 823 | 0.44943D 01 | -0.48294D 03 | 0.10888D 05 | .0175368 | .0169438 | .0163213 | -0.626 | -0.563 | -0.488 | 70.71 | 333.62 | 72.05 | 308.23 |
| 189 | 100 | -0.39230D 01 | 0.23892D 03 | 0.0 | .0137990 | .0124429 | .0105042 | -0.626 | -0.950 | -1.413 | 61.25 | 316.03 | 64.85 | 308.25 |
| 200 | 622 | -0.14266D 01 | 0.27565D 02 | 0.0 | .0197759 | .0190297 | .0183764 | -0.881 | -0.902 | -0.920 | 71.76 | 333.61 | 68.15 | 307.60 |
| 201 | 728 | -0.21048D 01 | 0.20605D 03 | -0.51261D 04 | .0180666 | .0174732 | .0168784 | -0.055 | -0.069 | -0.087 | 71.45 | 335.18 | 71.56 | 305.44 |
| 228 | 363 | -0.19108D 00 | -0.81355D 02 | 0.0 | .0210172 | .0199209 | .0190606 | -1.901 | -1.812 | -1.742 | 70.08 | 335.04 | 62.95 | 310.25 |
| 229 | 490 | -0.17429D 01 | 0.26477D 02 | 0.0 | .0192046 | .0185320 | .0179181 | -1.234 | -1.252 | -1.269 | 71.86 | 328.22 | 70.20 | 310.70 |
| 230 | 868 | 0.10406D 01 | -0.15646D 03 | 0.19027D 04 | .0176171 | .0170256 | .0164095 | -1.125 | -1.072 | -1.014 | 71.31 | 329.47 | 71.94 | 305.00 |
| 231 | 560 | 0.27936D 00 | -0.21042D 03 | 0.52791D 04 | .0084486 | .0077227 | .0068522 | -1.122 | -1.031 | -0.915 | 67.65 | 326.12 | 70.60 | 310.84 |
| 232 | 172 | -0.22104D 01 | 0.66001D 02 | 0.0 | .0139619 | .0126669 | .0108320 | -1.289 | -1.374 | -1.495 | 61.71 | 316.62 | 65.30 | 308.52 |
| 243 | 453 | -0.54545D 00 | -0.11053D 03 | 0.19396D 04 | .0198904 | .0191262 | .0184626 | -1.977 | -1.950 | -1.925 | 71.23 | 328.00 | 67.72 | 307.37 |
| 244 | 695 | -0.28232D 01 | 0.18069D 03 | -0.48117D 04 | .0181430 | .0175471 | .0169545 | -1.129 | -1.134 | -1.143 | 71.43 | 336.94 | 71.56 | 306.85 |
| 245 | 229 | -0.34997D 01 | 0.23700D 03 | 0.0 | .0104402 | .0097909 | .0090519 | -1.025 | -1.179 | -1.354 | 69.07 | 328.92 | 70.45 | 320.78 |
| 257 | 699 | -0.53465D 01 | 0.13637D 04 | 0.0 | .0035649 | .0026540 | .0019042 | -0.485 | -1.727 | -2.750 | 71.13 | 335.77 | 65.33 | 308.54 |
| 258 | 754 | 0.20606D 01 | -0.10706D 02 | -0.13418D 04 | .0187016 | .0180763 | .0174824 | 1.391 | 1.429 | 1.463 | 72.06 | 328.75 | 70.99 | 309.42 |
| 259 | 684 | -0.32150D 01 | 0.74437D 03 | -0.27138D 05 | .0107200 | .0101135 | .0094563 | 1.646 | 1.537 | 1.397 | 69.86 | 333.46 | 72.03 | 308.67 |
| 260 | 430 | -0.60361D 00 | 0.10232D 03 | -0.36284D 04 | .0080551 | .0072297 | .0061920 | -0.015 | -0.054 | -0.109 | 66.96 | 321.17 | 69.71 | 309.27 |
| 271 | 313 | -0.44043D 00 | -0.17967D 03 | 0.10582D 05 | .0207976 | .0196561 | .0187688 | 0.400 | 0.117 | -0.085 | 69.98 | 335.84 | 62.74 | 311.26 |
| 272 | 810 | -0.16634D 01 | 0.12205D 03 | -0.50886D 03 | .0193172 | .0186326 | .0180127 | 0.504 | 0.434 | 0.370 | 72.05 | 336.28 | 69.87 | 310.05 |
| 273 | 340 | -0.98281D 00 | 0.24124D 02 | 0.0 | .0177036 | .0171131 | .0165025 | -0.556 | -0.570 | -0.585 | 72.03 | 317.60 | 71.85 | 304.29 |
| 274 | 482 | 0.41345D 00 | 0.18943D 02 | -0.23432D 04 | .0085316 | .0078210 | .0069762 | 0.405 | 0.418 | 0.432 | 67.85 | 326.80 | 70.87 | 310.09 |
| 275 | 207 | -0.43804D 01 | 0.32773D 03 | 0.0 | .0141176 | .0128791 | .0111407 | 0.246 | -0.160 | -0.729 | 62.10 | 317.30 | 66.35 | 306.91 |
| 285 | 12 | -0.66857D 00 | 0.25260D 02 | 0.0 | .0230697 | .0215595 | .0204546 | -0.086 | -0.124 | -0.152 | 60.25 | 315.44 | 60.10 | 315.18 |
| 286 | 610 | -0.20879D 01 | 0.22029D 03 | -0.66123D 04 | .0200137 | .0192300 | .0185551 | -0.328 | -0.297 | -0.277 | 71.77 | 336.64 | 67.50 | 307.96 |
| 287 | 723 | -0.91502D 01 | 0.86317D 03 | -0.18735D 05 | .0182321 | .0176332 | .0170419 | 0.359 | 0.245 | 0.119 | 71.99 | 327.97 | 71.68 | 310.00 |
| 288 | 543 | -0.43283D 01 | 0.43045D 03 | -0.11261D 05 | .0167354 | .0160951 | .0153724 | -0.278 | -0.317 | -0.372 | 69.28 | 329.28 | 71.66 | 310.17 |
| 289 | 357 | -0.50051D 01 | 0.31640D 03 | 0.0 | .0149612 | .0139897 | .0127060 | -0.271 | -0.579 | -0.985 | 65.39 | 318.53 | 68.10 | 309.56 |
| 400 | 152 | -0.23481D 01 | 0.12516D 03 | 0.0 | .0223424 | .0210421 | .0200607 | 0.448 | 0.285 | 0.163 | 63.34 | 316.87 | 60.99 | 312.21 |
| 401 | 264 | -0.17572D 01 | 0.26857D 02 | 0.27048D 04 | .0196448 | .0189176 | .0182748 | -0.186 | -0.281 | -0.363 | 71.68 | 330.61 | 68.90 | 309.26 |
| 417 | 928 | -0.46350D 01 | 0.80768D 03 | -0.27221D 05 | .0104255 | .0098073 | .0091262 | 0.827 | 0.668 | 0.469 | 69.75 | 331.08 | 71.96 | 308.10 |
| 418 | 313 | -0.30628D 01 | 0.40334D 03 | -0.12698D 05 | .0080285 | .0071490 | .0060206 | -0.643 | -0.828 | -1.095 | 66.14 | 320.72 | 69.18 | 309.04 |
| 429 | 817 | -0.15870D 01 | 0.60917D 02 | 0.0 | .0213475 | .0202986 | .0194665 | -0.287 | -0.350 | -0.401 | 70.14 | 333.76 | 63.13 | 309.01 |
| 430 | 602 | -0.13742D 01 | 0.34040D 02 | 0.0 | .0190901 | .0184300 | .0178221 | -0.724 | -0.747 | -0.768 | 72.06 | 335.97 | 70.21 | 309.15 |
| 431 | 785 | -0.23153D 01 | 0.29412D 03 | -0.86364D 04 | .0175274 | .0169341 | .0163107 | 0.187 | 0.189 | 0.184 | 70.99 | 331.06 | 72.06 | 308.99 |
| 432 | 437 | 0.34115D 00 | -0.18487D 02 | -0.17554D 04 | .0083462 | .0076016 | .0066995 | 0.065 | 0.099 | 0.139 | 67.26 | 325.91 | 70.64 | 308.91 |
| 443 | 19 | -0.61101D 01 | 0.26376D 03 | 0.0 | .0225649 | .0212029 | .0201852 | -0.158 | -0.518 | -0.786 | 62.07 | 315.68 | 60.94 | 313.57 |
| 444 | 494 | -0.37914D 01 | 0.65066D 03 | 0.0 | .0042859 | .0035421 | .0028900 | -1.003 | -1.487 | -1.911 | 71.88 | 335.78 | 68.82 | 310.35 |
| 445 | 718 | -0.33461D 00 | -0.15481D 02 | 0.0 | .0180477 | .0174545 | .0168594 | -0.614 | -0.605 | -0.596 | 71.68 | 331.88 | 71.85 | 310.05 |
| 446 | 651 | -0.46508D 00 | 0.10909D 03 | -0.78595D 04 | .0101422 | .0094816 | .0087227 | -0.167 | -0.137 | -0.111 | 69.13 | 326.99 | 71.39 | 310.68 |
| 459 | 777 | -0.11154D 01 | 0.19972D 03 | -0.60502D 04 | .0186035 | .0179856 | .0173938 | 0.506 | 0.520 | 0.528 | 72.06 | 327.10 | 71.12 | 308.97 |
| 460 | 790 | -0.54749D 00 | 0.17605D 03 | -0.83006D 04 | .0105549 | .0099426 | .0092733 | 0.386 | 0.382 | 0.371 | 69.39 | 334.50 | 71.99 | 308.47 |
| 461 | 294 | -0.12631D 01 | 0.13393D 03 | -0.66816D 04 | .0081365 | .0072835 | .0061995 | -0.616 | -0.642 | -0.690 | 67.04 | 319.28 | 69.85 | 306.81 |
| 472 | 507 | 0.22462D 00 | -0.28432D 03 | 0.11458D 05 | .0215009 | .0204102 | .0195532 | -0.592 | -0.805 | -0.954 | 70.00 | 334.31 | 62.82 | 309.79 |
| 473 | 667 | -0.12911D 01 | 0.10344D 02 | 0.24800D 04 | .0191956 | .0185245 | .0179114 | -0.179 | -0.248 | -0.310 | 72.06 | 335.97 | 69.72 | 307.59 |
| 474 | 740 | -0.29567D 01 | 0.33546D 03 | -0.95676D 04 | .0176147 | .0170230 | .0164062 | -0.016 | -0.019 | -0.028 | 71.15 | 330.99 | 72.04 | 308.97 |
| 475 | 335 | 0.26823D 01 | -0.48233D 03 | 0.12484D 05 | .0083867 | .0076587 | .0067847 | -0.485 | -0.279 | -0.015 | 68.12 | 324.12 | 70.59 | 310.75 |
| 476 | 59 | -0.45254D 01 | 0.31046D 03 | 0.0 | .0139308 | .0126281 | .0107802 | -0.200 | -0.605 | -1.179 | 61.57 | 316.70 | 64.53 | 310.31 |
| 488 | 748 | -0.44672D 01 | 0.48252D 03 | -0.11995D 05 | .0181377 | .0175422 | .0169492 | 0.339 | 0.306 | 0.265 | 71.97 | 327.14 | 71.82 | 310.97 |

Table 3. Summary of Seasat Greenland Orbit Adjustment (Cont.)

| REV | NUM PTS | COEFFICIENTS (1) | (2) | (3) | TIME (FRAC OF DAY) AT 310.E | 320.E | 330.E | ORB ADJ (M) AT 310.E | 320.E | 330.E | START LAT | START LON | END LAT | END LON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 489 | 720 | -0.52949D 00 | 0.81687D 02 | -0.71534D 04 | .0103946 | .0097440 | .0090029 | -0.453 | -0.413 | -0.374 | 68.76 | 330.18 | 71.72 | 307.49 |
| 490 | 218 | -0.34525D 01 | 0.24106D 03 | 0.0 | .0148157 | .0138039 | .0124519 | 0.119 | -0.125 | -0.451 | 65.15 | 317.56 | 68.03 | 308.21 |
| 501 | 837 | -0.10927D 00 | -0.85274D 02 | 0.38448D 04 | .0206891 | .0197825 | .0190351 | -0.228 | -0.292 | -0.339 | 70.50 | 330.30 | 65.48 | 308.78 |
| 502 | 35 | 0.23097D 01 | -0.87159D 02 | -0.42202D 03 | .0186966 | .0180721 | .0174785 | 0.533 | 0.597 | 0.657 | 71.92 | 322.05 | 71.28 | 312.06 |
| 503 | 618 | -0.27769D 01 | 0.63743D 03 | -0.25960D 05 | .0107065 | .0100993 | .0094408 | 1.072 | 1.013 | 0.927 | 69.69 | 334.32 | 72.03 | 308.18 |
| 504 | 217 | -0.48000D 00 | 0.43498D 02 | -0.43646D 04 | .0081448 | .0073164 | .0062737 | -0.415 | -0.395 | -0.379 | 67.12 | 320.46 | 69.76 | 308.83 |
| 515 | 315 | 0.52025D 00 | -0.38474D 03 | 0.14660D 05 | .0206696 | .0195340 | .0186503 | -1.169 | -1.401 | -1.556 | 68.90 | 329.82 | 62.87 | 311.35 |
| 516 | 731 | -0.93547D 00 | 0.72897D 02 | -0.31993D 04 | .0193017 | .0186187 | .0179996 | -0.720 | -0.687 | -0.660 | 72.02 | 334.12 | 69.64 | 308.57 |
| 517 | 677 | -0.27168D 00 | 0.39870D 02 | -0.32302D 04 | .0176994 | .0171088 | .0164976 | -0.578 | -0.535 | -0.493 | 71.11 | 332.83 | 72.00 | 308.17 |
| 518 | 529 | 0.68385D 00 | -0.14402D 03 | 0.92952D 03 | .0085196 | .0078071 | .0069592 | -0.476 | -0.384 | -0.273 | 67.88 | 326.51 | 70.85 | 310.05 |
| 519 | 180 | -0.49439D 01 | 0.33202D 03 | 0.0 | .0140940 | .0128486 | .0110984 | -0.264 | -0.678 | -1.259 | 62.16 | 317.01 | 66.31 | 306.86 |
| 529 | 21 | -0.15878D 01 | 0.16970D 02 | 0.0 | .0230598 | .0215591 | .0204598 | -1.197 | -1.222 | -1.241 | 61.28 | 317.07 | 60.08 | 314.98 |
| 530 | 540 | -0.66315D 00 | -0.31434D 03 | 0.14557D 05 | .0200015 | .0192203 | .0185469 | -1.127 | -1.327 | -1.486 | 71.78 | 336.67 | 67.26 | 306.92 |
| 532 | 708 | -0.12580D 01 | 0.87780D 02 | -0.43381D 04 | .0167259 | .0160845 | .0153598 | -1.003 | -0.968 | -0.933 | 69.40 | 328.49 | 71.62 | 310.52 |
| 544 | 771 | 0.21890D 00 | 0.53618D 00 | -0.17006D 04 | .0208381 | .0199008 | .0191352 | -0.508 | -0.444 | -0.394 | 70.67 | 333.00 | 64.67 | 308.08 |
| 546 | 603 | -0.31803D 01 | 0.53292D 03 | -0.21168D 05 | .0108928 | .0102900 | .0096414 | 0.113 | 0.062 | -0.010 | 70.77 | 328.43 | 72.05 | 308.30 |
| 547 | 403 | -0.18077D 00 | -0.77359D 02 | 0.29603D 01 | .0080378 | .0072322 | .0062277 | -0.802 | -0.740 | -0.662 | 66.58 | 323.71 | 69.65 | 310.88 |
| 558 | 448 | -0.12711D 02 | 0.58796D 03 | 0.0 | .0213264 | .0201423 | .0192297 | -0.172 | -0.869 | -1.405 | 69.56 | 334.65 | 61.75 | 310.55 |
| 559 | 749 | -0.66647D 00 | 0.13232D 03 | -0.54660D 04 | .0194110 | .0187150 | .0180892 | -0.157 | -0.105 | -0.061 | 71.93 | 332.48 | 69.50 | 309.22 |
| 560 | 817 | -0.71416D 00 | 0.15878D 03 | -0.60579D 04 | .0177830 | .0171927 | .0165865 | 0.194 | 0.225 | 0.253 | 71.35 | 331.71 | 71.98 | 309.13 |
| 561 | 561 | 0.10414D 01 | -0.14038D 03 | 0.17318D 04 | .0093084 | .0086102 | .0077864 | -0.115 | -0.039 | 0.053 | 68.37 | 325.98 | 71.10 | 309.30 |
| 562 | 428 | -0.31942D 01 | 0.27050D 03 | 0.0 | .0142508 | .0130584 | .0113988 | 0.661 | 0.338 | -0.111 | 63.35 | 315.97 | 66.79 | 306.78 |
| 572 | 1 | -0.20105D 01 | 0.66440D 02 | 0.0 | .0228817 | .0213031 | .0201582 | -0.490 | -0.595 | -0.671 | 59.90 | 316.13 | 59.90 | 316.13 |
| 573 | 803 | -0.10919D 01 | -0.35027D 03 | 0.18449D 05 | .0201206 | .0193186 | .0186330 | -0.671 | -0.973 | -1.213 | 71.68 | 336.38 | 66.74 | 306.60 |
| 574 | 33 | -0.28538D 01 | 0.16073D 03 | 0.0 | .0183177 | .0177156 | .0171251 | 0.090 | -0.006 | -0.101 | 72.06 | 324.77 | 71.90 | 315.46 |
| 575 | 717 | -0.72747D 00 | 0.11471D 03 | -0.55055D 04 | .0100480 | .0094149 | .0087054 | -0.131 | -0.135 | -0.146 | 69.77 | 327.88 | 71.81 | 308.85 |
| 576 | 310 | -0.41394D 01 | 0.27561D 03 | 0.0 | .0148800 | .0139376 | .0127031 | -0.038 | -0.298 | -0.638 | 65.80 | 318.67 | 68.26 | 310.20 |
| 587 | 863 | -0.52252D 00 | -0.22782D 02 | 0.22444D 04 | .0209959 | .0200256 | .0192404 | -0.011 | -0.079 | -0.130 | 70.99 | 337.12 | 64.64 | 309.45 |
| 588 | 735 | 0.22530D 00 | 0.21295D 02 | 0.0 | .0188834 | .0182434 | .0176443 | 0.627 | 0.614 | 0.601 | 72.06 | 331.18 | 70.80 | 310.40 |
| 590 | 404 | -0.93650D 00 | 0.72956D 02 | -0.25987D 04 | .0082158 | .0074313 | .0064623 | -0.513 | -0.538 | -0.574 | 66.66 | 324.87 | 70.20 | 309.00 |
| 591 | 26 | -0.28336D 01 | 0.21549D 03 | 0.0 | .0134026 | .0118896 | .0096857 | 0.054 | -0.272 | -0.746 | 61.33 | 312.63 | 62.62 | 310.13 |
| 601 | 191 | 0.54194D 00 | -0.44979D 02 | 0.0 | .0217531 | .0205165 | .0195729 | -0.436 | -0.381 | -0.338 | 66.91 | 324.85 | 61.47 | 311.47 |
| 603 | 743 | 0.31197D 01 | -0.14956D 03 | -0.13235D 04 | .0178686 | .0172780 | .0166761 | 0.025 | 0.141 | 0.258 | 70.90 | 337.68 | 71.74 | 304.84 |
| 604 | 103 | 0.38382D 01 | -0.44963D 03 | 0.72183D 04 | .0095801 | .0088950 | .0080937 | 0.193 | 0.410 | 0.672 | 69.79 | 320.37 | 70.65 | 314.61 |
| 605 | 321 | 0.42887D 00 | 0.53125D 02 | 0.0 | .0143912 | .0132480 | .0116724 | 1.193 | 1.133 | 1.049 | 63.78 | 316.46 | 67.11 | 307.13 |
| 616 | 691 | -0.23613D 00 | 0.35799D 01 | 0.0 | .0202547 | .0194301 | .0187314 | -0.164 | -0.167 | -0.169 | 71.57 | 336.12 | 66.73 | 308.02 |
| 617 | 612 | 0.72541D 00 | -0.44007D 02 | 0.0 | .0183802 | .0177738 | .0171835 | -0.083 | -0.057 | -0.031 | 71.75 | 336.44 | 70.99 | 304.69 |
| 618 | 884 | -0.36542D 00 | 0.18952D 03 | -0.12268D 05 | .0091437 | .0085181 | .0078226 | 0.342 | 0.359 | 0.366 | 69.88 | 328.71 | 71.78 | 310.85 |
| 619 | 293 | -0.13439D 01 | 0.18757D 03 | 0.0 | .0078671 | .0069556 | .0057732 | 0.132 | -0.039 | -0.261 | 66.17 | 319.00 | 68.77 | 309.41 |
| 630 | 816 | 0.22449D 00 | 0.55557D 02 | -0.50544D 04 | .0175724 | .0165666 | .0157602 | -0.360 | -0.242 | -0.155 | 70.83 | 337.17 | 63.69 | 308.62 |
| 631 | 600 | -0.70344D 00 | 0.63554D 01 | 0.0 | .0189820 | .0183330 | .0177301 | -0.583 | -0.587 | -0.591 | 72.06 | 336.12 | 69.97 | 305.99 |
| 632 | 920 | -0.45207D 01 | 0.49139D 03 | -0.13490D 05 | .0174279 | .0168320 | .0162065 | -0.054 | -0.072 | -0.100 | 70.46 | 333.71 | 72.07 | 308.70 |
| 633 | 330 | -0.76020D 00 | 0.10985D 03 | -0.76577D 04 | .0082565 | .0074916 | .0065555 | -0.375 | -0.367 | -0.369 | 67.49 | 323.49 | 70.20 | 310.46 |
| 634 | 49 | -0.26214D 01 | 0.21664D 03 | 0.0 | .0135752 | .0121352 | .0100543 | 0.320 | 0.008 | -0.443 | 61.11 | 314.48 | 63.43 | 309.85 |
| 644 | 166 | -0.17481D 01 | 0.91526D 02 | 0.0 | .0223023 | .0210091 | .0200320 | 0.293 | 0.175 | 0.085 | 64.03 | 318.25 | 61.47 | 312.90 |
| 645 | 635 | -0.60559D 00 | -0.16892D 03 | 0.91320D 04 | .0196156 | .0188903 | .0182486 | -0.405 | -0.538 | -0.647 | 71.92 | 335.14 | 68.86 | 308.89 |
| 646 | 799 | -0.16482D 01 | 0.26442D 03 | -0.79217D 04 | .0179570 | .0173655 | .0167672 | 0.546 | 0.555 | 0.558 | 71.07 | 337.51 | 71.61 | 304.22 |
| 647 | 574 | 0.16889D 01 | -0.24719D 03 | 0.55761D 04 | .0097466 | .0090737 | .0082932 | -0.191 | -0.095 | 0.022 | 69.39 | 324.06 | 71.39 | 309.04 |
| 648 | 403 | -0.27481D 01 | 0.25990D 03 | 0.0 | .0145317 | .0134341 | .0119362 | 1.029 | 0.743 | 0.354 | 63.90 | 317.62 | 67.56 | 306.97 |
| 659 | 678 | -0.16135D 01 | -0.77134D 02 | 0.64237D 04 | .0203903 | .0195414 | .0188284 | -0.516 | -0.668 | -0.789 | 71.16 | 332.78 | 66.97 | 310.25 |
| 662 | 383 | -0.15501D 01 | 0.24377D 03 | 0.0 | .0053660 | .0044833 | .0033494 | -0.242 | -0.457 | -0.734 | 66.46 | 319.56 | 69.84 | 305.26 |
| 673 | 689 | -0.34334D 01 | 0.15890D 03 | 0.0 | .0213266 | .0202824 | .0194531 | -0.045 | -0.211 | -0.342 | 69.74 | 331.12 | 63.26 | 309.13 |
| 674 | 275 | -0.29892D 01 | 0.73931D 03 | -0.28355D 05 | .0190846 | .0184257 | .0178184 | 0.793 | 1.007 | 1.182 | 71.79 | 324.85 | 71.02 | 315.27 |
| 675 | 667 | -0.38616D 01 | 0.33064D 03 | -0.71485D 04 | .0175169 | .0169233 | .0162992 | -0.263 | -0.313 | -0.372 | 71.22 | 328.60 | 72.05 | 308.06 |
| 676 | 449 | -0.13111D 01 | 0.94868D 02 | -0.24068D 04 | .0083505 | .0076038 | .0066983 | -0.687 | -0.729 | -0.784 | 68.00 | 323.00 | 70.34 | 310.92 |
| 677 | 71 | -0.42031D 01 | 0.24114D 03 | 0.0 | .0137527 | .0123803 | .0104139 | -0.887 | -1.218 | -1.692 | 61.45 | 315.31 | 63.76 | 310.56 |

Table 3. Summary of Seasat Greenland Orbit Adjustment (Cont.)

| REV | NUM PTS | COEFFICIENTS (1) | (2) | (3) | TIME (FRAC OF DAY) AT 310.E | 320.E | 330.E | ORB ADJ (M) AT 310.E | 320.E | 330.E | START LAT | LON | END LAT | LON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 687 | 48 | -0.53585D 01 | 0.24916D 03 | 0.0 | .0223233 | .0209689 | .0199557 | 0.204 | -0.134 | -0.386 | 62.75 | 316.88 | 60.90 | 313.33 |
| 688 | 549 | -0.26259D 01 | 0.12075D 03 | 0.0 | .0184121 | .0176703 | .0170194 | -0.403 | -0.492 | -0.571 | 71.44 | 328.54 | 68.58 | 309.09 |
| 689 | 636 | -0.52961D 01 | 0.47423D 03 | -0.92901D 04 | .0175776 | .0169846 | .0163892 | 0.169 | 0.078 | -0.019 | 71.74 | 330.75 | 71.81 | 309.01 |
| 690 | 527 | -0.90309D 00 | -0.67295D 02 | 0.44393D 04 | .0098189 | .0091571 | .0083960 | -1.136 | -1.147 | -1.155 | 68.59 | 329.35 | 71.79 | 304.69 |
| 691 | 195 | -0.61915D 01 | 0.42190D 03 | 0.0 | .0146720 | .0136167 | .0121906 | -0.001 | -0.447 | -1.048 | 64.20 | 318.36 | 66.93 | 310.66 |
| 716 | 468 | 0.65697D 00 | -0.29347D 03 | 0.10743D 05 | .0214093 | .0203219 | .0194669 | -0.702 | -0.870 | -0.985 | 69.98 | 334.10 | 62.84 | 309.73 |
| 717 | 700 | -0.89886D 00 | 0.47368D 02 | 0.50560D 03 | .0191887 | .0185184 | .0179056 | 0.196 | 0.152 | 0.111 | 72.04 | 333.94 | 70.01 | 309.21 |
| 718 | 920 | 0.22140D 01 | -0.16038D 03 | 0.10412D 04 | .0176033 | .0170115 | .0163942 | -0.287 | -0.213 | -0.135 | 70.79 | 334.16 | 72.05 | 309.01 |
| 719 | 532 | 0.53492D 00 | -0.73005D 02 | -0.12410D 04 | .0084287 | .0076998 | .0068241 | -0.169 | -0.101 | -0.021 | 68.11 | 324.06 | 70.61 | 310.51 |
| 720 | 214 | -0.41349D 01 | 0.27965D 03 | 0.0 | .0139312 | .0126249 | .0107710 | -0.239 | -0.604 | -1.123 | 61.73 | 316.32 | 65.54 | 307.59 |
| 759 | 381 | 0.14275D 01 | -0.24034D 03 | 0.73522D 04 | .0205251 | .0193820 | .0184938 | -0.408 | -0.469 | -0.503 | 69.20 | 331.51 | 62.59 | 311.00 |
| 760 | 617 | 0.18052D 00 | 0.86819D 02 | -0.52664D 04 | .0193131 | .0186280 | .0180078 | -0.107 | -0.030 | 0.036 | 71.89 | 330.39 | 70.04 | 311.17 |
| 761 | 867 | -0.14566D 01 | 0.25129D 03 | -0.89824D 04 | .0177084 | .0171179 | .0165076 | 0.177 | 0.213 | 0.244 | 71.34 | 330.73 | 72.01 | 308.89 |
| 762 | 328 | 0.11821D 01 | -0.90656D 02 | -0.26688D 04 | .0085572 | .0078476 | .0070044 | 0.211 | 0.306 | 0.416 | 68.06 | 326.10 | 70.61 | 312.34 |
| 763 | 307 | -0.39935D 01 | 0.31157D 03 | 0.0 | .0141185 | .0128839 | .0111521 | 0.405 | 0.021 | -0.519 | 62.29 | 317.04 | 66.39 | 306.91 |
| 773 | 3 | -0.17659D 01 | 0.32815D 02 | 0.0 | .0215639 | .0200408 | .0189285 | -1.058 | -1.108 | -1.145 | 60.35 | 315.86 | 60.21 | 315.62 |
| 774 | 610 | -0.36163D 00 | -0.40271D 03 | 0.18071D 05 | .0200376 | .0192502 | .0185732 | -1.175 | -1.417 | -1.607 | 71.75 | 336.40 | 67.51 | 308.28 |
| 775 | 745 | -0.70769D 01 | 0.66800D 03 | -0.15515D 05 | .0182548 | .0176553 | .0170642 | -0.053 | -0.119 | -0.196 | 71.69 | 335.08 | 71.64 | 309.63 |
| 776 | 747 | 0.16223D 01 | -0.19174D 03 | 0.24897D 04 | .0167520 | .0161134 | .0153938 | -0.891 | -0.821 | -0.739 | 68.72 | 332.31 | 71.95 | 304.71 |
| 777 | 388 | -0.16154D 01 | 0.14213D 03 | -0.61157D 04 | .0149790 | .0140146 | .0127429 | -0.859 | -0.825 | -0.797 | 65.27 | 319.18 | 68.77 | 307.03 |
| 788 | 844 | 0.73024D 00 | -0.42147D 03 | 0.18465D 05 | .0187574 | .0178059 | .0170319 | -0.679 | -0.920 | -1.092 | 71.12 | 337.57 | 65.20 | 310.11 |
| 790 | 816 | -0.33120D 01 | 0.48584D 03 | -0.18149D 05 | .0109272 | .0103263 | .0096819 | -0.170 | -0.230 | -0.309 | 69.96 | 334.82 | 72.06 | 308.82 |
| 791 | 340 | -0.33810D 00 | -0.89363D 02 | 0.17145D 04 | .0081660 | .0073706 | .0063832 | -0.954 | -0.904 | -0.839 | 66.73 | 323.91 | 70.44 | 306.59 |
| 792 | 6 | -0.14459D 01 | 0.97731D 02 | 0.0 | .0133005 | .0117471 | .0094755 | -0.146 | -0.298 | -0.520 | 61.04 | 312.42 | 61.32 | 311.91 |
| 802 | 242 | -0.46850D 01 | 0.26695D 03 | 0.0 | .0193296 | .0181158 | .0171857 | 0.475 | 0.151 | -0.097 | 69.74 | 336.46 | 61.92 | 311.70 |
| 803 | 474 | -0.10734D 01 | 0.61533D 02 | -0.13632D 04 | .0194725 | .0187685 | .0181383 | -0.392 | -0.399 | -0.406 | 71.96 | 334.17 | 69.32 | 309.11 |
| 804 | 634 | -0.49028D 01 | 0.51190D 03 | -0.12490D 05 | .0178309 | .0172406 | .0166370 | 0.254 | 0.210 | 0.157 | 71.50 | 330.77 | 71.74 | 304.18 |
| 805 | 447 | 0.12674D 01 | -0.18267D 03 | 0.41057D 04 | .0095387 | .0088486 | .0080387 | -0.101 | -0.028 | 0.064 | 68.31 | 327.11 | 71.60 | 304.31 |
| 806 | 408 | -0.40167D 01 | 0.32366D 03 | 0.0 | .0143346 | .0131728 | .0115654 | 0.623 | 0.247 | -0.273 | 63.78 | 315.91 | 66.82 | 307.58 |
| 819 | 829 | -0.28015D 01 | 0.36694D 03 | -0.11223D 05 | .0101118 | .0094843 | .0087853 | -0.239 | -0.331 | -0.444 | 69.32 | 331.43 | 71.79 | 310.26 |
| 820 | 130 | -0.74229D 01 | 0.43143D 03 | 0.0 | .0145491 | .0136301 | .0124350 | -1.146 | -1.542 | -2.058 | 65.93 | 319.38 | 68.28 | 311.21 |
| 831 | 814 | 0.11451D-03 | -0.15942D 02 | 0.0 | .0174795 | .0164804 | .0156780 | -0.279 | -0.263 | -0.250 | 69.48 | 327.96 | 64.27 | 309.73 |
| 832 | 564 | -0.45924D 00 | -0.14868D 02 | 0.0 | .0189626 | .0183153 | .0177131 | -0.741 | -0.732 | -0.723 | 72.07 | 333.94 | 70.69 | 310.74 |
| 833 | 823 | -0.16865D 01 | 0.20281D 03 | -0.72448D 04 | .0174114 | .0168150 | .0161822 | -0.351 | -0.325 | -0.302 | 70.95 | 329.55 | 72.07 | 308.88 |
| 834 | 322 | -0.18338D 01 | 0.24702D 03 | -0.10251D 05 | .0131745 | .0124065 | .0114651 | -0.359 | -0.347 | -0.349 | 67.42 | 323.52 | 70.11 | 310.83 |
| 835 | 19 | -0.87046D 01 | 0.11219D 04 | -0.32334D 05 | .0135493 | .0120979 | .0099976 | 0.561 | 0.136 | -0.720 | 60.76 | 314.88 | 63.61 | 309.22 |
| 845 | 120 | 0.14323D 00 | -0.57291D 01 | 0.0 | .0074941 | .0062059 | .0052317 | 0.100 | 0.108 | 0.113 | 64.37 | 318.93 | 61.46 | 312.75 |
| 846 | 638 | -0.75023D 00 | -0.56796D 02 | 0.30750D 04 | .0196115 | .0188878 | .0182469 | -0.681 | -0.726 | -0.763 | 71.67 | 330.10 | 68.96 | 309.22 |
| 847 | 643 | -0.56285D 01 | 0.61003D 03 | -0.15323D 05 | .0179464 | .0173551 | .0167565 | 0.384 | 0.343 | 0.291 | 71.12 | 336.96 | 71.63 | 304.34 |
| 848 | 536 | 0.18534D 01 | -0.28852D 03 | 0.67876D 04 | .0097448 | .0090708 | .0082887 | -0.314 | -0.205 | -0.072 | 68.88 | 326.48 | 71.34 | 309.60 |
| 849 | 309 | -0.43821D 01 | 0.36532D 03 | 0.0 | .0145252 | .0134239 | .0119198 | 0.924 | 0.522 | -0.028 | 64.13 | 316.97 | 67.53 | 306.99 |
| 874 | 739 | 0.85554D 00 | -0.12967D 03 | 0.0 | .0177537 | .0167180 | .0158937 | -1.447 | -1.312 | -1.205 | 69.26 | 328.25 | 63.50 | 309.33 |
| 875 | 596 | 0.33245D 00 | -0.34944D 02 | -0.57408D 03 | .0190573 | .0184008 | .0177946 | -0.542 | -0.505 | -0.471 | 72.06 | 333.54 | 69.87 | 306.46 |
| 876 | 767 | 0.38034D-01 | 0.86909D 02 | -0.64796D 04 | .0174939 | .0168998 | .0162738 | -0.425 | -0.344 | -0.264 | 70.94 | 331.01 | 72.06 | 308.93 |
| 877 | 233 | 0.82450D 00 | -0.15340D 03 | -0.76047D 03 | .0082827 | .0075312 | .0066174 | -0.498 | -0.374 | -0.224 | 67.13 | 325.82 | 70.39 | 310.20 |
| 878 | 159 | -0.90700D-01 | 0.15173D 02 | 0.0 | .0137045 | .0123123 | .0103122 | 0.117 | 0.096 | 0.066 | 61.15 | 315.43 | 64.32 | 308.80 |
| 888 | 89 | -0.20436D 00 | -0.25159D 02 | 0.0 | .0200931 | .0187710 | .0177768 | -0.710 | -0.677 | -0.652 | 63.11 | 316.89 | 61.05 | 312.84 |
| 889 | 640 | 0.60774D 00 | -0.39645D 03 | 0.16286D 05 | .0178367 | .0171040 | .0164581 | -1.282 | -1.409 | -1.506 | 71.66 | 330.69 | 68.84 | 309.46 |
| 890 | 690 | 0.41535D 00 | 0.53450D 01 | 0.0 | .0179916 | .0173995 | .0168026 | 0.512 | 0.508 | 0.505 | 71.63 | 331.72 | 71.88 | 309.65 |
| 891 | 575 | 0.25421D 01 | -0.36084D 03 | 0.62137D 04 | .0100338 | .0093656 | .0085934 | -0.453 | -0.292 | -0.100 | 68.45 | 329.15 | 71.71 | 305.21 |
| 1017 | 46 | -0.11841D 01 | 0.26312D 02 | 0.0 | .0224385 | .0211048 | .0201037 | -0.594 | -0.629 | -0.655 | 63.59 | 318.20 | 61.69 | 314.28 |
| 1018 | 548 | 0.17562D 01 | -0.75891D 03 | 0.30819D 05 | .0196764 | .0189405 | .0182930 | -1.245 | -1.562 | -1.814 | 71.60 | 330.04 | 69.25 | 311.72 |
| 1019 | 640 | 0.38735D 00 | 0.22805D 02 | 0.0 | .0152476 | .0146552 | .0140588 | 0.735 | 0.722 | 0.708 | 71.87 | 327.74 | 71.76 | 307.59 |
| 1020 | 507 | 0.22007D 01 | -0.23625D 03 | 0.15080D 04 | .0100498 | .0093837 | .0086153 | -0.021 | 0.117 | 0.277 | 68.60 | 328.75 | 71.50 | 308.68 |
| 1021 | 230 | -0.32882D 01 | 0.31872D 03 | 0.0 | .0145482 | .0134756 | .0120203 | 1.349 | 1.007 | 0.543 | 64.59 | 316.82 | 67.65 | 307.51 |
| 1032 | 571 | 0.10054D 00 | -0.12070D 03 | 0.51847D 04 | .0204348 | .0195772 | .0188589 | -0.201 | -0.275 | -0.332 | 71.09 | 332.64 | 66.13 | 308.07 |

Table 3. Summary of Seasat Greenland Orbit Adjustment (Cont.)

| REV | NUM PTS | COEFFICIENTS (1) | (2) | (3) | TIME (FRAC OF DAY) AT 310.E | 320.E | 330.E | ORB ADJ (M) AT 310.E | 320.E | 330.E | START LAT | LON | END LAT | LON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1034 | 803 | -0.19847D 01 | 0.51875D 03 | -0.22040D 05 | .0103806 | .0097636 | .0090848 | 1.025 | 0.979 | 0.909 | 69.58 | 332.32 | 71.96 | 308.66 |
| 1035 | 213 | -0.22013D 01 | 0.33454D 03 | 0.0 | .0080260 | .0071511 | .0060303 | 0.484 | 0.191 | -0.184 | 65.75 | 322.12 | 69.12 | 309.62 |
| 1147 | 7 | -0.78021D 00 | 0.75421D 02 | -0.25156D 04 | .0195886 | .0188514 | .0182032 | -0.268 | -0.252 | -0.241 | 68.75 | 309.39 | 68.71 | 309.25 |
| 1148 | 38 | -0.14433D 01 | 0.12170D 03 | 0.0 | .0180136 | .0174211 | .0168249 | 0.749 | 0.677 | 0.604 | 71.18 | 337.57 | 71.86 | 309.57 |
| 1150 | 325 | -0.45994D 01 | 0.37032D 03 | 0.0 | .0146276 | .0135579 | .0121075 | 0.818 | 0.421 | -0.116 | 64.14 | 318.03 | 67.88 | 306.75 |
| 1161 | 16 | -0.13713D 01 | 0.12293D 02 | 0.19309D 04 | .0203419 | .0194829 | .0187639 | -0.322 | -0.399 | -0.461 | 71.46 | 336.67 | 66.21 | 308.41 |
| 1162 | 26 | -0.50784D 00 | 0.61332D 02 | 0.0 | .0185274 | .0179139 | .0173230 | 0.628 | 0.591 | 0.555 | 71.43 | 311.23 | 71.27 | 309.38 |
| 1163 | 11 | -0.16474D 01 | 0.39184D 03 | -0.15221D 05 | .0104461 | .0098294 | .0091512 | 0.785 | 0.734 | 0.664 | 71.85 | 311.51 | 71.90 | 310.47 |
| 1164 | 298 | -0.21405D 01 | 0.32913D 03 | 0.0 | .0062657 | .0053920 | .0042734 | -0.078 | -0.366 | -0.734 | 66.29 | 320.60 | 69.80 | 306.04 |
| 1175 | 29 | -0.14364D 00 | -0.57560D 01 | 0.0 | .0212425 | .0201957 | .0193647 | -0.266 | -0.260 | -0.255 | 64.16 | 311.26 | 63.38 | 309.46 |
| 1176 | 16 | -0.48657D-01 | 0.20645D 03 | -0.92352D 04 | .0190905 | .0184311 | .0178236 | 0.527 | 0.619 | 0.697 | 70.22 | 309.04 | 69.67 | 305.71 |
| 1179 | 164 | -0.60069D 00 | 0.83758D 02 | 0.0 | .0137512 | .0123772 | .0104080 | 0.551 | 0.436 | 0.271 | 61.57 | 315.06 | 64.86 | 307.86 |
| 1189 | 139 | -0.32708D 00 | 0.51668D 01 | 0.0 | .0224876 | .0211495 | .0201458 | -0.211 | -0.218 | -0.223 | 63.84 | 318.87 | 60.97 | 313.06 |
| 1190 | 12 | 0.43210D 00 | 0.30539D 03 | -0.17039D 05 | .0196409 | .0189039 | .0182557 | -0.143 | 0.116 | 0.329 | 69.29 | 311.99 | 68.94 | 310.28 |
| 1191 | 59 | 0.88475D-02 | 0.53161D 02 | 0.0 | .0177201 | .0171276 | .0165314 | 0.951 | 0.919 | 0.888 | 71.96 | 311.92 | 71.80 | 308.31 |
| 1193 | 334 | -0.21994D 01 | 0.23217D 03 | 0.0 | .0146253 | .0135554 | .0121046 | 1.196 | 0.948 | 0.611 | 64.84 | 316.28 | 67.13 | 309.48 |
| 1204 | 61 | 0.20508D 00 | -0.13846D 03 | 0.56283D 04 | .0203790 | .0195201 | .0188012 | -0.279 | -0.353 | -0.409 | 67.08 | 311.19 | 65.95 | 307.60 |
| 1205 | 34 | 0.10328D 00 | 0.22410D 02 | 0.0 | .0185328 | .0179194 | .0173285 | 0.519 | 0.505 | 0.492 | 71.43 | 311.24 | 71.24 | 309.04 |
| 1206 | 19 | -0.64518D 00 | 0.28115D 03 | -0.14540D 05 | .0103584 | .0097417 | .0090634 | 0.707 | 0.714 | 0.709 | 71.83 | 311.87 | 72.04 | 305.91 |
| 1207 | 148 | -0.11394D 01 | 0.19044D 03 | 0.0 | .0062596 | .0053859 | .0042671 | 0.053 | -0.114 | -0.327 | 66.61 | 319.59 | 69.16 | 309.50 |
| 1218 | 40 | -0.14210D 01 | 0.61006D 02 | 0.0 | .0212926 | .0202459 | .0194151 | -0.122 | -0.186 | -0.237 | 64.39 | 311.79 | 63.53 | 309.78 |
| 1219 | 18 | -0.10675D 01 | 0.17309D 03 | -0.51956D 04 | .0190818 | .0184225 | .0178150 | 0.344 | 0.358 | 0.367 | 70.56 | 311.47 | 70.22 | 309.04 |
| 1220 | 90 | -0.51395D 01 | 0.55034D 03 | -0.14600D 05 | .0175168 | .0169233 | .0162992 | 0.021 | -0.007 | -0.048 | 72.06 | 312.21 | 72.01 | 305.51 |
| 1221 | 269 | 0.35746D 00 | -0.80086D 02 | -0.63032D 03 | .0081367 | .0073900 | .0064845 | -0.336 | -0.269 | -0.188 | 67.23 | 325.87 | 70.58 | 309.22 |
| 1222 | 129 | -0.18889D 01 | 0.11445D 03 | 0.0 | .0137512 | .0123769 | .0104072 | -0.315 | -0.472 | -0.698 | 61.49 | 315.21 | 64.85 | 307.89 |
| 1232 | 145 | -0.51324D 01 | 0.22342D 03 | 0.0 | .0224790 | .0211412 | .0201377 | -0.110 | -0.409 | -0.633 | 63.27 | 317.58 | 60.96 | 313.04 |
| 1234 | 32 | -0.32172D 01 | 0.21193D 03 | 0.0 | .0180161 | .0174237 | .0168274 | 0.601 | 0.475 | 0.349 | 71.19 | 337.49 | 71.60 | 305.10 |
| 1235 | 13 | 0.75488D-01 | -0.24421D 03 | 0.11576D 05 | .0020146 | .0013494 | .0005824 | -0.370 | -0.233 | -0.063 | 71.39 | 310.11 | 71.44 | 309.52 |
| 1236 | 314 | -0.44195D 01 | 0.34476D 03 | 0.0 | .0146159 | .0135458 | .0120947 | 0.619 | 0.251 | -0.250 | 63.92 | 318.52 | 67.41 | 308.47 |
| 1248 | 47 | -0.24657D 01 | 0.15284D 03 | 0.0 | .0185311 | .0179177 | .0173267 | 0.367 | 0.273 | 0.183 | 71.53 | 312.37 | 71.25 | 309.10 |
| 1249 | 20 | -0.39966D 01 | 0.65229D 03 | -0.22336D 05 | .0103975 | .0097808 | .0091024 | 0.371 | 0.247 | 0.090 | 71.80 | 312.53 | 71.86 | 311.29 |
| 1250 | 286 | -0.26185D 01 | 0.37666D 03 | 0.0 | .0062554 | .0053815 | .0042626 | -0.262 | -0.592 | -1.013 | 66.47 | 320.03 | 68.88 | 310.86 |
| 1261 | 32 | 0.44326D 00 | -0.80609D 02 | 0.0 | .0213306 | .0202841 | .0194533 | -1.276 | -1.192 | -1.125 | 64.59 | 312.29 | 63.43 | 309.56 |
| 1264 | 172 | 0.12262D 01 | -0.19451D 03 | -0.30894D 03 | .0083339 | .0075872 | .0066815 | -0.416 | -0.267 | -0.087 | 67.22 | 325.93 | 70.60 | 309.08 |
| 1265 | 123 | 0.75420D 00 | -0.56911D 02 | 0.0 | .0137402 | .0123656 | .0103955 | -0.028 | 0.050 | 0.163 | 60.91 | 316.26 | 64.49 | 308.79 |
| 1275 | 125 | -0.29864D 01 | 0.97989D 02 | 0.0 | .0224852 | .0211477 | .0201443 | -0.783 | -0.914 | -1.012 | 63.86 | 318.90 | 60.97 | 313.05 |
| 1276 | 24 | 0.48442D 00 | -0.32024D 03 | 0.12547D 05 | .0197086 | .0189717 | .0183236 | -0.953 | -1.075 | -1.171 | 69.48 | 312.98 | 69.00 | 310.57 |
| 1278 | 21 | 0.14925D 01 | -0.24132D 03 | 0.39042D 04 | .0100460 | .0093806 | .0086132 | -0.538 | -0.428 | -0.296 | 71.33 | 310.86 | 71.44 | 309.53 |
| 1279 | 342 | -0.42703D 01 | 0.35410D 03 | 0.0 | .0146153 | .0135451 | .0120937 | 0.905 | 0.526 | 0.012 | 64.16 | 317.97 | 67.95 | 306.45 |
| 1291 | 3 | -0.10606D 01 | 0.67751D 02 | 0.0 | .0185308 | .0179174 | .0173265 | 0.195 | 0.153 | 0.113 | 71.88 | 335.98 | 71.88 | 335.91 |
| 1293 | 207 | -0.21656D 01 | 0.33297D 03 | 0.0 | .0062230 | .0053491 | .0042300 | -0.094 | -0.385 | -0.757 | 66.63 | 319.51 | 67.97 | 314.75 |
| 1305 | 4 | -0.19944D 01 | 0.15582D 03 | -0.27563D 04 | .0190810 | .0184217 | .0178162 | -0.025 | -0.059 | -0.093 | 72.07 | 335.82 | 72.07 | 335.73 |
| 1306 | 29 | -0.60975D 01 | 0.60452D 03 | -0.15038D 05 | .0175182 | .0169246 | .0163005 | -0.123 | -0.174 | -0.239 | 72.07 | 309.20 | 72.02 | 305.78 |
| 1308 | 130 | -0.33106D 01 | 0.23309D 03 | 0.0 | .0137437 | .0123689 | .0103983 | -0.107 | -0.428 | -0.887 | 60.73 | 316.58 | 64.30 | 309.25 |
| 1318 | 88 | -0.39372D 01 | 0.19557D 03 | 0.0 | .0224794 | .0211420 | .0201388 | 0.459 | 0.198 | 0.001 | 63.71 | 318.56 | 61.94 | 314.84 |
| 1320 | 4 | -0.21060D 01 | 0.17210D 03 | 0.0 | .0180136 | .0174212 | .0168249 | 0.994 | 0.892 | 0.790 | 71.26 | 336.74 | 71.32 | 336.08 |
| 1321 | 12 | 0.95465D 00 | -0.14361D 03 | 0.27568D 04 | .0099629 | .0092975 | .0085300 | -0.202 | -0.142 | -0.070 | 68.44 | 329.53 | 71.79 | 304.25 |
| 1322 | 54 | -0.54835D 01 | 0.44448D 03 | 0.0 | .0146240 | .0135536 | .0121021 | 1.017 | 0.541 | -0.104 | 64.44 | 317.27 | 67.91 | 306.59 |
| 1333 | 5 | -0.15761D 01 | -0.13343D 03 | 0.99328D 04 | .0204348 | .0195762 | .0188574 | -0.155 | -0.382 | -0.560 | 66.60 | 309.58 | 66.39 | 308.90 |
| 1336 | 174 | -0.24794D 01 | 0.44092D 03 | 0.0 | .0061807 | .0053067 | .0041875 | 0.246 | -0.140 | -0.633 | 66.57 | 319.69 | 69.86 | 305.68 |
| 1349 | 27 | -0.82139D 00 | 0.89878D 02 | -0.46636D 04 | .0175147 | .0169212 | .0162970 | -0.678 | -0.636 | -0.595 | 72.07 | 309.53 | 72.03 | 306.50 |
| 1351 | 102 | -0.24755D 01 | 0.17128D 03 | 0.0 | .0137396 | .0123647 | .0103940 | -0.122 | -0.358 | -0.695 | 60.75 | 316.52 | 64.44 | 308.91 |
| 1361 | 83 | -0.60358D 00 | -0.36230D-01 | 0.0 | .0224811 | .0211437 | .0201406 | -0.604 | -0.604 | -0.604 | 63.62 | 318.35 | 60.83 | 312.79 |
| 1365 | 239 | -0.32736D 01 | 0.28650D 03 | 0.0 | .0146226 | .0135522 | .0121005 | 0.916 | 0.609 | 0.193 | 64.43 | 317.30 | 66.11 | 312.75 |
| 1376 | 14 | -0.57034D 00 | -0.10668D 03 | 0.38766D 04 | .0204367 | .0195781 | .0188594 | -1.131 | -1.173 | -1.203 | 71.44 | 336.42 | 66.51 | 309.28 |
| 1377 | 3 | 0.14361D 01 | -0.70541D 02 | 0.0 | .0185271 | .0179137 | .0173228 | 0.129 | 0.172 | 0.214 | 71.88 | 335.98 | 71.88 | 335.94 |

Table 3. Summary of Seasat Greenland Orbit Adjustment (Cont.)

| REV | NUM PTS | COEFFICIENTS (1) | (2) | (3) | TIME (FRAC OF DAY) AT 310.E | 320.E | 330.E | ORB ADJ (M) AT 310.E | 320.E | 330.E | START LAT | START LON | END LAT | END LON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1378 | 9 | -0.11427D 01 | 0.34356D 03 | -0.16952D 05 | .0094309 | .0088142 | .0081358 | 0.590 | 0.568 | 0.530 | 72.05 | 304.95 | 72.05 | 304.68 |
| 1379 | 290 | -0.17168D 01 | 0.21410D 03 | 0.0 | .0061957 | .0053217 | .0042024 | -0.390 | -0.577 | -0.817 | 66.30 | 320.53 | 69.92 | 305.29 |
| 1390 | 13 | -0.37144D 01 | 0.94408D 03 | -0.35734D 05 | .0213304 | .0202841 | .0194535 | 0.165 | 0.733 | 1.128 | 63.38 | 309.44 | 63.29 | 309.23 |
| 1391 | 21 | -0.15918D 01 | 0.13203D 03 | -0.26130D 04 | .0190881 | .0184288 | .0178214 | -0.024 | -0.046 | -0.069 | 72.07 | 336.31 | 69.62 | 305.36 |
| 1392 | 11 | -0.16143D 01 | 0.19102D 03 | -0.62624D 04 | .0175182 | .0169246 | .0163005 | -0.190 | -0.175 | -0.165 | 72.07 | 309.89 | 72.02 | 305.85 |
| 1394 | 162 | -0.32089D 01 | 0.20203D 03 | 0.0 | .0137462 | .0123713 | .0104006 | -0.432 | -0.709 | -1.108 | 60.74 | 316.55 | 64.77 | 308.07 |
| 1405 | 2 | -0.77553D 00 | -0.17995D 02 | 0.25240D 04 | .0197086 | .0189718 | .0183237 | -0.150 | -0.208 | -0.258 | 71.88 | 334.95 | 68.15 | 306.81 |
| 1406 | 1 | -0.23411D 01 | 0.18187D 03 | 0.0 | .0180110 | .0174185 | .0168223 | 0.935 | 0.827 | 0.718 | 71.59 | 304.90 | 71.59 | 304.90 |
| 1419 | 10 | -0.14899D 01 | -0.10068D 02 | 0.32367D 04 | .0204437 | .0195851 | .0188663 | -0.343 | -0.446 | -0.528 | 66.57 | 309.49 | 65.87 | 307.35 |
| 1421 | 11 | -0.22741D 01 | 0.48265D 03 | -0.17976D 05 | .0103906 | .0097738 | .0090954 | 0.800 | 0.726 | 0.629 | 69.24 | 334.17 | 69.27 | 334.03 |
| 1422 | 199 | -0.16660D 01 | 0.27504D 03 | 0.0 | .0062124 | .0053385 | .0042193 | 0.043 | -0.198 | -0.505 | 66.30 | 320.55 | 67.96 | 314.77 |
| 1434 | 2 | -0.10974D 00 | 0.10322D 03 | -0.46384D 04 | .0190829 | .0184236 | .0178161 | 0.171 | 0.218 | 0.257 | 72.07 | 335.71 | 69.66 | 305.59 |
| 1435 | 20 | -0.22110D 00 | 0.14817D 03 | -0.76433D 04 | .0175116 | .0169181 | .0162940 | 0.030 | 0.098 | 0.164 | 72.07 | 309.96 | 72.01 | 305.45 |
| 1437 | 99 | -0.94844D 00 | 0.76918D 02 | 0.0 | .0137407 | .0123660 | .0103955 | 0.108 | 0.003 | -0.149 | 61.13 | 315.86 | 64.74 | 308.15 |
| 1447 | 36 | -0.13355D 01 | 0.40242D 02 | 0.0 | .0224820 | .0211445 | .0201413 | -0.431 | -0.485 | -0.525 | 63.68 | 318.49 | 62.16 | 315.27 |
| 1449 | 8 | -0.14213D 01 | 0.11850D 03 | 0.0 | .0180139 | .0174215 | .0168253 | 0.713 | 0.643 | 0.572 | 71.31 | 336.19 | 71.32 | 336.07 |
| 1464 | 7 | -0.22649D 01 | 0.43998D 03 | -0.18174D 05 | .0102700 | .0096533 | .0089749 | 0.337 | 0.289 | 0.220 | 69.26 | 334.10 | 69.28 | 334.01 |
| 1465 | 210 | -0.20475D 01 | 0.27582D 03 | 0.0 | .0062213 | .0053475 | .0042284 | -0.332 | -0.573 | -0.881 | 66.64 | 319.49 | 69.82 | 305.89 |
| 1476 | 17 | -0.38678D 01 | 0.10511D 04 | -0.40450D 05 | .0213366 | .0202901 | .0194594 | 0.145 | 0.807 | 1.269 | 70.51 | 336.16 | 63.17 | 308.98 |
| 1477 | 23 | -0.16337D 01 | 0.85370D 02 | 0.12195D 03 | .0190812 | .0184219 | .0178144 | 0.040 | -0.020 | -0.074 | 72.07 | 336.01 | 70.06 | 308.02 |
| 1478 | 21 | -0.18544D 01 | 0.12093D 03 | -0.29277D 04 | .0175200 | .0169265 | .0163024 | -0.634 | -0.646 | -0.661 | 72.07 | 310.10 | 72.02 | 305.76 |
| 1490 | 70 | -0.20399D 01 | 0.91879D 02 | 0.0 | .0224781 | .0211403 | .0201369 | 0.025 | -0.098 | -0.190 | 63.69 | 318.50 | 61.94 | 314.85 |
| 1491 | 14 | -0.16715D 01 | 0.44959D 02 | 0.92859D 02 | .0197039 | .0189669 | .0183188 | -0.750 | -0.785 | -0.817 | 71.88 | 335.00 | 68.87 | 309.95 |
| 1492 | 18 | -0.36589D 01 | 0.24738D 03 | 0.0 | .0159736 | .0153811 | .0147849 | 0.293 | 0.146 | -0.001 | 71.25 | 336.79 | 71.62 | 305.29 |
| 1493 | 5 | -0.98603D 00 | 0.39922D 02 | -0.13840D 04 | .0099385 | .0092731 | .0085058 | -0.726 | -0.735 | -0.747 | 68.48 | 329.38 | 68.50 | 329.29 |

Table 4. Corrections To Seasat Ice Data Records

| CORRECTION ADJUSTMENT | VALUE OR RANGE | MANNER IN WHICH APPLIED | | SECTION IN WHICH DOCUMENTED |
|---|---|---|---|---|
| | | TIME | SURFACE HEIGHT | |
| RETRACKING CORRECTION accounts for lag in tracker response | $-15m<\Delta H_{RET}<15m$ | N/A | (–) | 2.1 |
| TIME BIAS accounts for track mode correction | $-7.9451 \times 10^{-2}$ s | (+) | N/A | 2.2.1 |
| SIGNAL TRAVEL TIME CORRECTION | $-2.67 \times 10^{-3}$ s | (+) | N/A | 2.2.1 |
| CENTER OF GRAVITY OFFSET adjusts measurement to s/c center of mass | ~ 6.04 m | N/A | (–) | 2.2.2 |
| IONOSPHERIC REFRACTION CORRECTION accounts for signal delay | ~ 2–3 cm | N/A | (+) | 2.3.1 |
| TROPOSPHERIC REFRACTION CORRECTION accounts for signal delay | ~ 1.5–2.5 m | N/A | (+) | 2.3.2 |
| SOLID TIDE removal | ~ 2–10 cm. | N/A | (–) | 2.4 |
| ORBIT ADJUSTMENT reduces orbit error and references the data to a mean ocean surface | $3m \leq \Delta H_{ORB} \leq 3m$ | N/A | (–) | 2.5 |
| SLOPE CORRECTION accounts for signal being returned from closest point within satellite footprint | $0m \leq \Delta H_{SLOPE} < 80m$ | N/A | (–) | 2.6 |

Table 5. Waveform Data Record Description

General Characteristics:

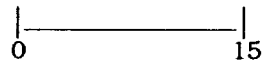
Record Format - variable
Record Size (bytes) - 170 + 4 for IBM record control word
Blocksize (bytes) - 31842 + 4 for IBM block control word

| Bytes | FORTRAN Variable Type | Description |
|---|---|---|
| 1-8 | R*8 | Fraction of day past midnight from sensor data record |
| 9-16 | R*8 | Altimeter range measurement in meters from sensor data record |
| 17-20 | R*4 | Satellite latitude in degrees from sensor data record |
| 21-24 | R*4 | Satellite east longitude in degrees from sensor data record |
| 25-28 | R*4 | Altitude error $\Delta h$ in meters |
| 29-32 | R*4 | Altitude rate error $\dot{\Delta h}$ in meters/sec |
| 33-36 | I*4 | Modified Julian Date of observation from sensor data record |
| 37-38 | I*2 | Significant wave height (H 1/3) in cm. |
| 39-40 | I*2 | Automatic Gain Control (AGC) in dB |
| 41-166 | I*2 | Waveform counts |
| 167-168 | I*2 | Word indicating original data flags |


| Bits | Value | Description |
|---|---|---|
| 0-10 | | Unused |
| 11 | 1 | Not in track mode |
| 12 | 1 | Chirp/cw |
| 13 | 1 | Altimeter error status |
| 14 | 1 | Reacquisition |
| 15 | 1 | Acq/Trk |

Table 5. Waveform Data Record Description (Cont.)

| Bytes | FORTRAN Variable Type | Description |
|---|---|---|
| 169-170 | I*2 | Retracking status word |




| Bits | Value | Description |
|---|---|---|
| 0 | | Unused |
| 1 | 0 | Gains and offsets were not applied to waveform counts in plots and in determining $\beta$ parameters |
| | 1 | Gains and offsets were applied to waveform counts in plots and in determining $\beta$ parameters |
| 2 | 0 | Specular test not performed or waveform not specularly shaped |
| | 1 | Waveform determined to be specularly shaped |
| 3 | 0 | Status flag from SDR less than or equal to one |
| | 1 | Status flag from SDR greater than one |
| 4 | 0 | Waveform not specularly retracked |
| | 1 | Waveform specularly retracked |
| 5 | 0 | Gains and offsets not applied to waveform count values on WDR's |
| | 1 | Gains and offsets applied to waveform count values on WDR's |
| 6 | 0 | For double waveforms the retracking correction is not calculated from a weighted average of the two leading edges |
| | 1 | For double waveforms the retracking correction is calculated from a weighted average of the two leading edges |

Table 5. Waveform Data Record Description

| Bytes | FORTRAN Variable Type | Description | | |
|---|---|---|---|---|
| | | Bits | Value | Description |
| 169-170 (cont.) | | 7 | 0 | No problem with leading edge definition of m |
| | | | 1 | Waveform not defined well enough to filter, no leading edges or too many leading edges |
| | | 8 | 0 | No problem retracking |
| | | | 1 | Problem retracking |
| | | 9 | 0 | Timing bias was not applied to time tag |
| | | | 1 | Timing bias applied to time tag |
| | | 10 | 0 | Waveform not retracked |
| | | | 1 | Waveform retracked |
| | | 11 | 0 | Whole edge retracked |
| | | | 1 | Leading edge retracked |
| | applies to water data | 12 | 0 | Ht correction not applied due to $\ddot{h}$ |
| | | | 1 | Ht correction applied due to $\ddot{h}$ |
| | | 13 | 0 | Attitude seastate correction not applied to h |
| | | | 1 | Attitude seastate correction applied to h |
| | | 14-15 | 0 | Tracking mode 1 |
| | | | 1 | Tracking mode 2 |
| | | | 2 | Tracking mode 3 |
| | | | 3 | Tracking mode 4 |

Table 6. Seasat Greenland Geographical Data Base

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 15 | 2 | 59.90 | 314.00 | 529( 2) | | | | | |
| 16 | 19 | 59.90 | 315.00 | 285( 12) | 529( 4) | 773( 3) | | | |
| 17 | 1 | 59.90 | 316.00 | 572( 1) | | | | | |
| 53 | 3 | 60.40 | 312.00 | 1361( 3) | | | | | |
| 55 | 1 | 60.40 | 314.00 | 835( 1) | | | | | |
| 56 | 7 | 60.40 | 315.00 | 146( 2) | 529( 5) | | | | |
| 57 | 26 | 60.40 | 316.00 | 529( 2) | 1308( 9) | 1351( 6) | 1394( 9) | | |
| 92 | 3 | 60.90 | 311.00 | 792( 3) | | | | | |
| 93 | 54 | 60.90 | 312.00 | 400( 39) | 591( 5) | 792( 3) | 888( 7) | | |
| 94 | 124 | 60.90 | 313.00 | 443( 7) | 687( 6) | 888( 17) | 1189( 40) | 1232( 28) | 1275( 16) |
| | | | | 1361( 10) | | | | | |
| 95 | 2 | 60.90 | 314.00 | 634( 2) | | | | | |
| 96 | 37 | 60.90 | 315.00 | 146( 3) | 189( 5) | 878( 4) | 1308( 10) | 1351( 10) | 1394( 1) |
| | | | | 1437( 4) | | | | | |
| 97 | 21 | 60.90 | 316.00 | 189( 2) | 529( 2) | 1265( 16) | 1308( 1) | | |
| 98 | 6 | 60.90 | 317.00 | 529( 6) | | | | | |
| 131 | 2 | 61.40 | 310.00 | 558( 2) | | | | | |
| 132 | 1 | 61.40 | 311.00 | 601( 1) | | | | | |
| 133 | 28 | 61.40 | 312.00 | 591( 14) | 644( 2) | 845( 12) | | | |
| 134 | 107 | 61.40 | 313.00 | 146( 23) | 156( 9) | 400( 21) | 644( 15) | 845( 22) | 888( 10) |
| | | | | 1189( 6) | 1232( 1) | | | | |
| 135 | 174 | 61.40 | 314.00 | 156( 7) | 189( 4) | 443( 1) | 677( 1) | 878( 2) | 888( 15) |
| | | | | 1017( 8) | 1189( 39) | 1232( 41) | 1265( 1) | 1275( 26) | 1351( 12) |
| | | | | 1394( 11) | 1437( 6) | | | | |
| 136 | 41 | 61.40 | 315.00 | 189( 13) | 443( 10) | 677( 2) | 687( 7) | 1179( 1) | 1222( 3) |
| | | | | 1265( 1) | 1351( 2) | 1394( 2) | | | |
| 137 | 11 | 61.40 | 316.00 | 232( 8) | 476( 1) | 720( 2) | | | |
| 171 | 2 | 61.90 | 310.00 | 591( 2) | | | | | |
| 172 | 24 | 61.90 | 311.00 | 558( 15) | 802( 6) | 835( 3) | | | |
| 173 | 65 | 61.90 | 312.00 | 146( 8) | 601( 7) | 634( 13) | 802( 32) | 835( 5) | |
| 174 | 314 | 61.90 | 313.00 | 146( 5) | 400( 12) | 601( 16) | 644( 29) | 845( 41) | 878( 53) |
| | | | | 1179( 24) | 1222( 19) | 1265( 22) | 1308( 55) | 1351( 6) | 1394( 32) |
| 175 | 278 | 61.90 | 314.00 | 156( 48) | 189( 25) | 400( 67) | 644( 46) | 677( 5) | 845( 14) |
| | | | | 888( 14) | 1017( 6) | 1232( 6) | 1265( 1) | 1275( 8) | 1318( 20) |
| | | | | 1437( 2) | 1490( 16) | | | | |
| 176 | 185 | 61.90 | 315.00 | 232( 19) | 443( 1) | 476( 4) | 687( 28) | 720( 2) | 888( 9) |
| | | | | 1017( 6) | 1189( 6) | 1232( 9) | 1275( 22) | 1318( 37) | 1361( 23) |
| | | | | 1447( 13) | 1490( 6) | | | | |
| 177 | 6 | 61.90 | 316.00 | 275( 1) | 763( 5) | | | | |
| 178 | 17 | 61.90 | 317.00 | 275( 12) | 519( 1) | 763( 4) | | | |
| 211 | 6 | 62.40 | 310.00 | 591( 5) | 759( 1) | | | | |
| 212 | 59 | 62.40 | 311.00 | 146( 6) | 271( 1) | 558( 15) | 634( 20) | 759( 8) | 835( 9) |
| 213 | 117 | 62.40 | 312.00 | 146( 11) | 558( 3) | 677( 6) | 802( 10) | 878( 52) | 1179( 6) |
| | | | | 1222( 4) | 1265( 11) | 1308( 13) | 1351( 1) | | |
| 214 | 130 | 62.40 | 313.00 | 189( 20) | 601( 10) | 677( 13) | 802( 4) | 1179( 25) | 1222( 21) |
| | | | | 1265( 24) | 1308( 6) | 1394( 6) | 1437( 1) | | |
| 215 | 117 | 62.40 | 314.00 | 232( 29) | 476( 10) | 601( 2) | 644( 30) | 720( 27) | 845( 19) |
| 216 | 39 | 62.40 | 315.00 | 232( 5) | 275( 5) | 400( 6) | 644( 3) | 845( 2) | 888( 3) |
| | | | | 1189( 3) | 1232( 9) | 1447( 1) | 1490( 2) | | |
| 217 | 75 | 62.40 | 316.00 | 275( 22) | 687( 7) | 1017( 10) | 1189( 12) | 1232( 3) | 1275( 2) |
| | | | | 1318( 9) | 1361( 8) | 1447( 2) | | | |
| 249 | 1 | 62.80 | 308.00 | 1476( 1) | | | | | |
| 250 | 12 | 62.80 | 309.00 | 429( 2) | 472( 7) | 716( 3) | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 251 | 39 | 62.80 | 310.00 | 146( 7) | 228( 20) | 634( 11) | 716( 1) | | |
| 252 | 113 | 62.80 | 311.00 | 146( 13) | 271( 19) | 515( 25) | 677( 5) | 759( 9) | 878( 19) |
| | | | | 1179( 4) | 1222( 4) | 1265( 6) | 1308( 3) | 1351( 2) | 1394( 3) |
| | | | | 1437( 1) | | | | | |
| 253 | 302 | 62.80 | 312.00 | 189( 5) | 271( 17) | 515( 5) | 558( 12) | 677( 11) | 759( 1) |
| | | | | 878( 9) | 1179( 44) | 1222( 20) | 1265( 6) | 1308( 21) | 1351( 47) |
| | | | | 1394( 46) | 1437( 58) | | | | |
| 254 | 129 | 62.80 | 313.00 | 189( 1) | 232( 33) | 476( 16) | 558( 33) | 720( 33) | 802( 13) |
| 255 | 109 | 62.80 | 314.00 | 232( 3) | 476( 2) | 519( 13) | 601( 67) | 720( 3) | 802( 21) |
| 256 | 54 | 62.80 | 315.00 | 156( 5) | 275( 17) | 519( 2) | 644( 16) | 763( 6) | 845( 8) |
| 257 | 87 | 62.80 | 316.00 | 156( 2) | 400( 6) | 888( 14) | 1017( 10) | 1189( 13) | 1232( 26) |
| | | | | 1275( 2) | 1318( 5) | 1447( 7) | 1490( 2) | | |
| 258 | 50 | 62.80 | 317.00 | 1017( 1) | 1189( 4) | 1232( 10) | 1318( 4) | 1361( 13) | 1447( 1) |
| | | | | 1490( 17) | | | | | |
| 290 | 92 | 63.20 | 309.00 | 429( 30) | 634( 1) | 673( 7) | 874( 3) | 1175( 10) | 1218( 4) |
| | | | | 1261( 10) | 1390( 13) | 1476( 14) | | | |
| 291 | 66 | 63.20 | 310.00 | 228( 18) | 429( 2) | 472( 14) | 634( 2) | 716( 14) | 878( 10) |
| | | | | 1222( 2) | 1265( 4) | | | | |
| 292 | 168 | 63.20 | 311.00 | 189( 9) | 228( 13) | 472( 14) | 677( 19) | 716( 9) | 878( 6) |
| | | | | 1179( 35) | 1222( 41) | 1265( 22) | | | |
| 293 | 124 | 63.20 | 312.00 | 232( 1) | 271( 45) | 476( 7) | 515( 20) | 720( 4) | 759( 47) |
| 294 | 128 | 63.20 | 313.00 | 232( 25) | 271( 7) | 476( 5) | 519( 1) | 558( 46) | 720( 36) |
| | | | | 759( 8) | | | | | |
| 295 | 267 | 63.20 | 314.00 | 275( 38) | 519( 55) | 558( 39) | 601( 5) | 763( 75) | 802( 55) |
| 296 | 138 | 63.20 | 315.00 | 275( 1) | 562( 52) | 601( 55) | 763( 11) | 802( 19) | |
| 297 | 2 | 63.20 | 316.00 | 400( 1) | 644( 1) | | | | |
| 298 | 84 | 63.20 | 317.00 | 156( 2) | 644( 11) | 1189( 3) | 1232( 12) | 1275( 15) | 1318( 11) |
| | | | | 1361( 12) | 1447( 4) | 1490( 14) | | | |
| 299 | 36 | 63.20 | 318.00 | 1017( 5) | 1189( 1) | 1275( 14) | 1318( 1) | 1361( 8) | 1447( 5) |
| | | | | 1490( 2) | | | | | |
| 329 | 2 | 63.60 | 308.00 | 630( 2) | | | | | |
| 330 | 18 | 63.60 | 309.00 | 630( 5) | 835( 1) | 874( 5) | 1351( 2) | 1394( 5) | |
| 331 | 80 | 63.60 | 310.00 | 189( 13) | 429( 13) | 673( 7) | 677( 9) | 878( 3) | 1175( 3) |
| | | | | 1218( 4) | 1222( 6) | 1261( 3) | 1265( 1) | 1308( 5) | 1351( 2) |
| | | | | 1394( 7) | 1437( 4) | | | | |
| 332 | 47 | 63.60 | 311.00 | 228( 9) | 232( 6) | 472( 12) | 476( 6) | 716( 3) | 720( 11) |
| 333 | 84 | 63.60 | 312.00 | 228( 5) | 232( 9) | 472( 24) | 476( 6) | 716( 1) | 720( 39) |
| 334 | 279 | 63.60 | 313.00 | 271( 71) | 275( 26) | 515( 51) | 519( 28) | 759( 65) | 763( 38) |
| 335 | 158 | 63.60 | 314.00 | 271( 2) | 275( 16) | 558( 66) | 562( 38) | 759( 7) | 763( 29) |
| 336 | 127 | 63.60 | 315.00 | 558( 25) | 562( 27) | 601( 14) | 802( 37) | 806( 24) | |
| 337 | 5 | 63.60 | 316.00 | 601( 3) | 605( 2) | | | | |
| 338 | 4 | 63.60 | 317.00 | 644( 2) | 648( 2) | | | | |
| 339 | 67 | 63.60 | 318.00 | 644( 4) | 1189( 12) | 1236( 1) | 1275( 20) | 1318( 1) | 1361( 6) |
| | | | | 1447( 3) | 1490( 11) | 1494( 9) | | | |
| 369 | 4 | 64.00 | 308.00 | 146( 3) | 878( 1) | | | | |
| 370 | 68 | 64.00 | 309.00 | 630( 10) | 831( 3) | 1179( 19) | 1308( 7) | 1351( 10) | 1394( 11) |
| | | | | 1437( 8) | | | | | |
| 371 | 32 | 64.00 | 310.00 | 189( 1) | 232( 2) | 630( 14) | 720( 11) | 1261( 4) | |
| 372 | 149 | 64.00 | 311.00 | 232( 15) | 429( 16) | 673( 6) | 720( 34) | 874( 18) | 1175( 16) |
| | | | | 1218( 32) | 1261( 12) | | | | |
| 373 | 178 | 64.00 | 312.00 | 228( 15) | 275( 22) | 472( 20) | 519( 38) | 716( 41) | 763( 42) |
| 374 | 143 | 64.00 | 313.00 | 228( 20) | 275( 12) | 472( 2) | 519( 4) | 562( 47) | 716( 22) |
| | | | | 763( 36) | | | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 375 | 266 | 64.00 | 314.00 | 271( 58) | 515( 54) | 562( 45) | 605( 2) | 759( 50) | 806( 57) |
| 376 | 131 | 64.00 | 315.00 | 558( 43) | 605( 44) | 759( 4) | 806( 40) | | |
| 377 | 12 | 64.00 | 316.00 | 558( 3) | 648( 8) | 849( 1) | | | |
| 378 | 16 | 64.00 | 317.00 | 691( 3) | 1236( 6) | 1279( 7) | | | |
| 379 | 17 | 64.00 | 318.00 | 644( 7) | 691( 1) | 845( 2) | 1150( 1) | 1236( 4) | 1494( 2) |
| 409 | 70 | 64.40 | 308.00 | 189( 1) | 544( 5) | 1179( 3) | 1222( 7) | 1265( 8) | 1351( 2) |
| 410 | 3 | 64.40 | 309.00 | 1394( 29) | 1437( 15) | | | | |
| 411 | 13 | 64.40 | 310.00 | 587( 3) | | | | | |
| 412 | 99 | 64.40 | 311.00 | 232( 2) | 476( 2) | 831( 9) | | | |
| 413 | 120 | 64.40 | 312.00 | 275( 10) | 429( 6) | 519( 17) | 630( 17) | 673( 11) | 763( 23) |
| 414 | 210 | 64.40 | 313.00 | 874( 15) | | | | | |
| 415 | 183 | 64.40 | 314.00 | 429( 52) | 562( 35) | 673( 10) | 763( 17) | 874( 3) | 1261( 3) |
| 416 | 189 | 64.40 | 315.00 | 228( 23) | 472( 8) | 562( 53) | 716( 71) | 806( 55) | |
| 417 | 120 | 64.40 | 316.00 | 228( 30) | 271( 1) | 472( 10) | 515( 17) | 605( 62) | 716( 20) |
| 418 | 13 | 64.40 | 317.00 | 806( 43) | | | | | |
| 419 | 7 | 64.40 | 318.00 | 160( 20) | 271( 35) | 515( 11) | 648( 44) | 759( 31) | 849( 48) |
| 450 | 5 | 64.80 | 307.20 | 160( 44) | 558( 19) | 648( 39) | 691( 1) | 1021( 2) | 1150( 2) |
| 451 | 11 | 64.80 | 308.00 | 1236( 2) | 1322( 4) | 1365( 5) | 1494( 2) | | |
| 452 | 5 | 64.80 | 308.80 | 802( 1) | 1322( 3) | 1365( 1) | 1494( 8) | | |
| 453 | 3 | 64.80 | 309.60 | 601( 2) | 802( 5) | | | | |
| 454 | 33 | 64.80 | 310.40 | 1179( 3) | 1222( 2) | | | | |
| 455 | 45 | 64.80 | 311.20 | 189( 1) | 544( 10) | | | | |
| 456 | 91 | 64.80 | 312.00 | 544( 5) | | | | | |
| 457 | 230 | 64.80 | 312.80 | 587( 3) | | | | | |
| 458 | 31 | 64.80 | 313.60 | 275( 1) | 519( 10) | 587( 13) | 763( 9) | | |
| 459 | 217 | 64.80 | 314.40 | 630( 15) | 831( 30) | | | | |
| 460 | 151 | 64.80 | 315.20 | 562( 39) | 630( 3) | 806( 14) | 874( 35) | | |
| 461 | 77 | 64.80 | 316.00 | 429( 58) | 605( 31) | 673( 51) | 806( 61) | 874( 29) | |
| 462 | 12 | 64.80 | 316.80 | 429( 10) | 605( 10) | 716( 11) | | | |
| 463 | 21 | 64.80 | 317.60 | 160( 18) | 228( 38) | 472( 41) | 648( 53) | 716( 15) | 849( 52) |
| 500 | 3 | 65.10 | 307.20 | 160( 57) | 648( 20) | 849( 12) | 1021( 2) | 1150( 8) | 1193( 24) |
| 501 | 30 | 65.10 | 308.00 | 1236( 17) | 1279( 11) | | | | |
| 502 | 1 | 65.10 | 308.80 | 691( 12) | 759( 4) | 1150( 28) | 1193( 4) | 1236( 3) | 1279( 4) |
| 503 | 14 | 65.10 | 309.60 | 1322( 8) | 1365( 14) | | | | |
| 504 | 19 | 65.10 | 310.40 | 558( 11) | 691( 1) | | | | |
| 505 | 36 | 65.10 | 311.20 | 558( 12) | 802( 9) | | | | |
| 506 | 68 | 65.10 | 312.00 | 720( 3) | | | | | |
| 507 | 73 | 65.10 | 312.80 | 232( 15) | 257( 10) | 720( 5) | | | |
| 508 | 296 | 65.10 | 313.60 | 544( 1) | | | | | |
| 509 | 367 | 65.10 | 314.40 | 275( 3) | 544( 4) | 763( 2) | 788( 5) | | |
| 510 | 254 | 65.10 | 315.20 | 562( 1) | 587( 4) | 763( 3) | 788( 11) | | |
| 511 | 9 | 65.10 | 316.00 | 562( 24) | 587( 7) | 831( 5) | | | |
| 512 | 34 | 65.10 | 316.80 | 605( 11) | 630( 4) | 806( 30) | 831( 23) | | |
| 513 | 5 | 65.10 | 317.60 | 605( 35) | 673( 6) | 874( 32) | | | |
| 514 | 22 | 65.10 | 318.40 | 160( 18) | 429( 64) | 648( 53) | 673( 64) | 849( 58) | 874( 39) |
| | | | | 160( 58) | 429( 11) | 472( 5) | 648( 23) | 849( 13) | 1021( 44) |
| | | | | 1150( 35) | 1193( 35) | 1236( 38) | 1279( 37) | 1365( 34) | 1494( 34) |
| | | | | 472( 59) | 691( 3) | 716( 22) | 1021( 12) | 1150( 17) | 1193( 26) |
| | | | | 1236( 31) | 1279( 32) | 1365( 23) | 1494( 29) | | |
| | | | | 228( 1) | 691( 8) | | | | |
| | | | | 490( 17) | 759( 17) | | | | |
| | | | | 558( 2) | 759( 3) | | | | |
| | | | | 289( 2) | 558( 10) | 777( 10) | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 550 | 4 | 65.40 | 307.20 | 720( 4) | | | | | |
| 551 | 4 | 65.40 | 308.00 | 257( 3) | 501( 1) | | | | |
| 552 | 26 | 65.40 | 308.80 | 257( 9) | 275( 9) | 501( 2) | 519( 6) | | |
| 553 | 10 | 65.40 | 309.60 | 544( 2) | 562( 8) | | | | |
| 554 | 59 | 65.40 | 310.40 | 544( 10) | 562( 36) | 788( 12) | 806( 1) | | |
| 555 | 51 | 65.40 | 311.20 | 587( 1) | 605( 24) | 788( 8) | 806( 18) | | |
| 556 | 56 | 65.40 | 312.00 | 587( 12) | 605( 34) | 831( 10) | | | |
| 557 | 165 | 65.40 | 312.80 | 160( 22) | 630( 12) | 648( 51) | 831( 56) | 849( 24) | |
| 558 | 346 | 65.40 | 313.60 | 160( 16) | 648( 22) | 673( 5) | 849( 11) | 874( 34) | 1021( 26) |
| | | | | 1150( 39) | 1193( 38) | 1236( 30) | 1279( 39) | 1365( 40) | 1494( 38) |
| 559 | 475 | 65.40 | 314.40 | 429( 59) | 673( 72) | 691( 62) | 874( 39) | 1021( 28) | 1150( 34) |
| | | | | 1193( 37) | 1236( 36) | 1279( 36) | 1365( 35) | 1494( 37) | |
| 560 | 32 | 65.40 | 315.20 | 429( 14) | 472( 4) | 716( 14) | | | |
| 561 | 92 | 65.40 | 316.00 | 228( 37) | 472( 26) | 490( 12) | 716( 17) | | |
| 562 | 16 | 65.40 | 316.80 | 228( 8) | 490( 7) | 515( 1) | | | |
| 563 | 33 | 65.40 | 317.60 | 289( 5) | 515( 6) | 759( 15) | 777( 7) | | |
| 564 | 38 | 65.40 | 318.40 | 289( 10) | 558( 20) | 777( 8) | | | |
| 566 | 3 | 65.40 | 320.00 | 802( 3) | | | | | |
| 600 | 12 | 65.70 | 307.20 | 519( 2) | 1204( 7) | 1419( 3) | | | |
| 601 | 7 | 65.70 | 308.00 | 275( 3) | 519( 1) | 763( 3) | | | |
| 603 | 16 | 65.70 | 309.60 | 257( 16) | | | | | |
| 604 | 70 | 65.70 | 310.40 | 257( 5) | 544( 6) | 605( 26) | 806( 33) | | |
| 605 | 53 | 65.70 | 311.20 | 544( 15) | 788( 38) | | | | |
| 606 | 105 | 65.70 | 312.00 | 160( 7) | 587( 43) | 648( 12) | 788( 28) | 849( 15) | |
| 607 | 391 | 65.70 | 312.80 | 160( 39) | 587( 32) | 648( 14) | 691( 2) | 831( 12) | 1021( 21) |
| | | | | 1150( 42) | 1193( 46) | 1236( 46) | 1279( 46) | 1365( 45) | 1494( 46) |
| 608 | 313 | 65.70 | 313.60 | 630( 8) | 691( 39) | 831( 65) | 1021( 22) | 1150( 30) | 1193( 32) |
| | | | | 1236( 30) | 1279( 30) | 1365( 25) | 1494( 32) | | |
| 609 | 50 | 65.70 | 314.40 | 490( 2) | 630( 18) | 673( 2) | 691( 4) | 874( 24) | |
| 610 | 173 | 65.70 | 315.20 | 429( 42) | 490( 33) | 673( 50) | 874( 48) | | |
| 611 | 25 | 65.70 | 316.00 | 429( 17) | 673( 4) | 716( 4) | | | |
| 612 | 40 | 65.70 | 316.80 | 228( 5) | 289( 4) | 472( 4) | 716( 13) | 777( 14) | |
| 613 | 7 | 65.70 | 317.60 | 777( 7) | | | | | |
| 614 | 64 | 65.70 | 318.40 | 271( 2) | 515( 13) | 576( 1) | 759( 46) | 820( 2) | |
| 615 | 3 | 65.70 | 319.20 | 820( 3) | | | | | |
| 616 | 8 | 65.70 | 320.00 | 558( 8) | | | | | |
| 618 | 2 | 65.70 | 321.59 | 1035( 2) | | | | | |
| 650 | 11 | 66.00 | 307.20 | 1204( 7) | 1419( 4) | | | | |
| 651 | 27 | 66.00 | 308.00 | 562( 6) | 1032( 4) | 1161( 9) | 1204( 8) | | |
| 652 | 10 | 66.00 | 308.80 | 562( 3) | 806( 7) | | | | |
| 653 | 25 | 66.00 | 309.60 | 501( 2) | 605( 17) | 806( 6) | | | |
| 654 | 37 | 66.00 | 310.40 | 257( 13) | 501( 4) | 605( 20) | | | |
| 655 | 103 | 66.00 | 311.20 | 160( 3) | 257( 5) | 544( 7) | 648( 46) | 849( 42) | |
| 656 | 212 | 66.00 | 312.00 | 160( 9) | 544( 24) | 648( 11) | 691( 5) | 788( 34) | 849( 2) |
| | | | | 1021( 29) | 1150( 18) | 1193( 46) | 1236( 14) | 1279( 12) | 1365( 1) |
| | | | | 1494( 7) | | | | | |
| 657 | 226 | 66.00 | 312.80 | 587( 35) | 691( 22) | 788( 25) | 1150( 26) | 1193( 26) | 1236( 26) |
| | | | | 1279( 24) | 1365( 16) | 1494( 26) | | | |
| 658 | 54 | 66.00 | 313.60 | 490( 10) | 587( 38) | 831( 6) | | | |
| 659 | 167 | 66.00 | 314.40 | 490( 47) | 630( 50) | 831( 70) | | | |
| 660 | 44 | 66.00 | 315.20 | 630( 25) | 831( 4) | 874( 15) | | | |
| 661 | 196 | 66.00 | 316.00 | 289( 38) | 429( 45) | 673( 63) | 777( 4) | 874( 46) | |
| 662 | 34 | 66.00 | 316.80 | 429( 25) | 576( 8) | 673( 1) | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 663 | 58 | 66.00 | 317.60 | 228( 3) | 472( 26) | 576( 2) | 716( 27) | | | |
| 664 | 46 | 66.00 | 318.40 | 228( 5) | 472( 1) | 515( 6) | 619( 25) | 716( 5) | 820( 4) | |
| 665 | 109 | 66.00 | 319.20 | 271( 4) | 515( 69) | 759( 36) | | | | |
| 666 | 28 | 66.00 | 320.00 | 271( 1) | 418( 9) | 515( 1) | 558( 15) | 1164( 1) | 1422( 1) | |
| 668 | 2 | 66.00 | 321.59 | 601( 2) | | | | | | |
| 699 | 15 | 66.30 | 306.40 | 275( 9) | 519( 2) | 763( 4) | | | | |
| 700 | 7 | 66.30 | 307.20 | 562( 7) | | | | | | |
| 701 | 6 | 66.30 | 308.00 | 562( 6) | | | | | | |
| 702 | 29 | 66.30 | 308.80 | 806( 6) | 1032( 2) | 1204( 13) | 1333( 4) | 1376( 1) | 1419( 3) | |
| 703 | 1 | 66.30 | 309.60 | 849( 1) | | | | | | |
| 704 | 23 | 66.30 | 310.40 | 160( 9) | 648( 1) | 849( 13) | | | | |
| 705 | 95 | 66.30 | 311.20 | 160( 4) | 257( 3) | 501( 47) | 691( 3) | 1021( 4) | 1150( 4) | |
| | | | | 1193( 11) | 1236( 1) | 1279( 18) | | | | |
| 706 | 80 | 66.30 | 312.00 | 257( 1) | 501( 8) | 544( 12) | 691( 21) | 1021( 7) | 1150( 13) | |
| | | | | 1236( 9) | 1279( 9) | | | | | |
| 707 | 74 | 66.30 | 312.80 | 544( 64) | 788( 10) | | | | | |
| 708 | 77 | 66.30 | 313.60 | 490( 20) | 587( 30) | 788( 27) | | | | |
| 709 | 61 | 66.30 | 314.40 | 289( 14) | 587( 47) | | | | | |
| 710 | 210 | 66.30 | 315.20 | 289( 56) | 630( 40) | 777( 49) | 831( 65) | | | |
| 711 | 97 | 66.30 | 316.00 | 576( 19) | 630( 36) | 777( 16) | 831( 15) | 874( 11) | | |
| 712 | 162 | 66.30 | 316.80 | 429( 38) | 576( 17) | 673( 40) | 874( 67) | | | |
| 713 | 70 | 66.30 | 317.60 | 429( 38) | 619( 12) | 673( 20) | | | | |
| 714 | 111 | 66.30 | 318.40 | 472( 46) | 619( 3) | 716( 62) | | | | |
| 715 | 115 | 66.30 | 319.20 | 174( 35) | 228( 8) | 418( 14) | 472( 26) | 662( 6) | 716( 17) | |
| | | | | 1164( 1) | 1250( 5) | 1336( 2) | 1379( 1) | | | |
| 716 | 30 | 66.30 | 320.00 | 418( 1) | 515( 15) | 759( 4) | 1250( 3) | 1379( 6) | 1422( 1) | |
| 717 | 3 | 66.30 | 320.79 | 759( 3) | | | | | | |
| 719 | 12 | 66.30 | 322.39 | 802( 12) | | | | | | |
| 720 | 6 | 66.30 | 323.19 | 547( 6) | | | | | | |
| 749 | 6 | 66.60 | 306.40 | 562( 1) | 573( 5) | | | | | |
| 750 | 13 | 66.60 | 307.20 | 806( 13) | | | | | | |
| 751 | 10 | 66.60 | 308.00 | 616( 10) | | | | | | |
| 752 | 1 | 66.60 | 308.80 | 1333( 1) | | | | | | |
| 753 | 34 | 66.60 | 309.60 | 849( 6) | 1204( 20) | 1279( 8) | | | | |
| 754 | 16 | 66.60 | 310.40 | 691( 3) | 1032( 5) | 1150( 3) | 1204( 5) | | | |
| 756 | 43 | 66.60 | 312.00 | 257( 7) | 490( 12) | 501( 24) | | | | |
| 757 | 58 | 66.60 | 312.80 | 257( 28) | 490( 7) | 501( 19) | 544( 4) | | | |
| 758 | 116 | 66.60 | 313.60 | 289( 35) | 544( 66) | 777( 3) | 788( 12) | | | |
| 759 | 176 | 66.60 | 314.40 | 289( 41) | 544( 8) | 587( 17) | 777( 47) | 788( 63) | | |
| 760 | 126 | 66.60 | 315.20 | 576( 63) | 587( 63) | | | | | |
| 761 | 125 | 66.60 | 316.00 | 576( 16) | 630( 30) | 820( 27) | 831( 52) | | | |
| 762 | 108 | 66.60 | 316.80 | 619( 33) | 630( 50) | 831( 23) | 874( 2) | | | |
| 763 | 114 | 66.60 | 317.60 | 418( 2) | 429( 26) | 619( 1) | 662( 9) | 673( 40) | 874( 36) | |
| 764 | 57 | 66.60 | 318.40 | 174( 6) | 418( 4) | 429( 1) | 662( 8) | 673( 31) | 1336( 3) | |
| | | | | 1379( 2) | 1465( 2) | | | | | |
| 765 | 51 | 66.60 | 319.20 | 174( 25) | 228( 8) | 716( 2) | 1164( 4) | 1207( 2) | 1250( 1) | |
| | | | | 1293( 3) | 1379( 1) | 1422( 4) | 1465( 1) | | | |
| 766 | 44 | 66.60 | 320.00 | 228( 31) | 472( 11) | 716( 2) | | | | |
| 767 | 2 | 66.60 | 320.79 | 759( 2) | | | | | | |
| 768 | 11 | 66.60 | 321.59 | 759( 11) | | | | | | |
| 770 | 11 | 66.60 | 323.19 | 791( 4) | 802( 7) | | | | | |
| 771 | 5 | 66.60 | 323.99 | 601( 5) | | | | | | |
| 772 | 1 | 66.60 | 324.79 | 590( 1) | | | | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 799 | 6 | 66.90 | 306.40 | 573( 3) | 605( 3) | | | | |
| 800 | 32 | 66.90 | 307.20 | 573( 32) | | | | | |
| 801 | 6 | 66.90 | 308.00 | 616( 4) | 648( 2) | | | | |
| 802 | 43 | 66.90 | 308.80 | 616( 1) | 1021( 10) | 1150( 7) | 1193( 7) | 1236( 7) | 1494( 11) |
| 803 | 25 | 66.90 | 309.60 | 659( 6) | 1021( 7) | 1150( 4) | 1193( 2) | 1236( 1) | 1279( 5) |
| 804 | 35 | 66.90 | 310.40 | 659( 9) | 691( 5) | 1032( 20) | 1204( 1) | | |
| 805 | 38 | 66.90 | 311.20 | 490( 16) | 1032( 18) | 1161( 4) | | | |
| 806 | 26 | 66.90 | 312.00 | 490( 26) | | | | | |
| 807 | 137 | 66.90 | 312.80 | 257( 24) | 289( 48) | 501( 38) | 777( 27) | | |
| 808 | 132 | 66.90 | 313.60 | 257( 58) | 289( 29) | 501( 9) | 576( 10) | 777( 26) | |
| 809 | 82 | 66.90 | 314.40 | 544( 55) | 576( 25) | 788( 2) | | | |
| 810 | 152 | 66.90 | 315.20 | 544( 29) | 576( 4) | 587( 2) | 619( 27) | 788( 62) | 820( 28) |
| 811 | 148 | 66.90 | 316.00 | 587( 62) | 619( 53) | 788( 13) | 820( 20) | | |
| 812 | 117 | 66.90 | 316.80 | 174( 10) | 418( 17) | 587( 17) | 630( 14) | 662( 19) | 831( 36) |
| | | | | 1035( 4) | | | | | |
| 813 | 361 | 66.90 | 317.60 | 174( 49) | 418( 5) | 630( 65) | 662( 45) | 831( 47) | 1164( 3) |
| | | | | 1207( 2) | 1250( 55) | 1293( 13) | 1379( 66) | 1422( 9) | 1465( 2) |
| 814 | 52 | 66.90 | 318.40 | 630( 5) | 673( 12) | 874( 17) | 1379( 18) | | |
| 815 | 130 | 66.90 | 319.20 | 429( 45) | 461( 2) | 673( 51) | 874( 32) | | |
| 816 | 21 | 66.90 | 320.00 | 228( 2) | 260( 6) | 472( 9) | 504( 1) | 716( 3) | |
| 817 | 51 | 66.90 | 320.79 | 228( 12) | 260( 2) | 472( 28) | 716( 9) | | |
| 818 | 9 | 66.90 | 321.59 | 515( 4) | 547( 5) | | | | |
| 819 | 16 | 66.90 | 322.39 | 271( 10) | 590( 2) | 759( 4) | | | |
| 821 | 6 | 66.90 | 323.99 | 558( 6) | | | | | |
| 822 | 3 | 66.90 | 324.79 | 601( 2) | 802( 1) | | | | |
| 823 | 8 | 66.90 | 325.59 | 877( 8) | | | | | |
| 854 | 7 | 67.20 | 306.50 | 530( 7) | | | | | |
| 855 | 6 | 67.20 | 307.00 | 530( 6) | | | | | |
| 856 | 5 | 67.20 | 307.50 | 849( 5) | | | | | |
| 857 | 15 | 67.20 | 308.00 | 573( 15) | | | | | |
| 858 | 12 | 67.20 | 308.50 | 1150( 1) | 1279( 1) | 1322( 10) | | | |
| 859 | 4 | 67.20 | 309.00 | 1494( 4) | | | | | |
| 863 | 17 | 67.20 | 311.00 | 490( 5) | 659( 12) | | | | |
| 864 | 16 | 67.20 | 311.50 | 659( 7) | 1032( 8) | 1161( 1) | | | |
| 865 | 19 | 67.20 | 312.00 | 289( 7) | 1032( 12) | | | | |
| 866 | 66 | 67.20 | 312.50 | 289( 31) | 777( 35) | | | | |
| 867 | 19 | 67.20 | 313.00 | 777( 19) | | | | | |
| 868 | 38 | 67.20 | 313.50 | 576( 38) | | | | | |
| 869 | 59 | 67.20 | 314.00 | 257( 15) | 501( 31) | 576( 13) | | | |
| 870 | 45 | 67.20 | 314.50 | 257( 15) | 501( 25) | 619( 1) | 820( 4) | | |
| 871 | 52 | 67.20 | 315.00 | 257( 1) | 619( 34) | 820( 17) | | | |
| 872 | 45 | 67.20 | 315.50 | 544( 32) | 619( 13) | | | | |
| 873 | 54 | 67.20 | 316.00 | 544( 22) | 662( 7) | 788( 25) | | | |
| 874 | 184 | 67.20 | 316.50 | 174( 18) | 418( 29) | 662( 38) | 788( 29) | 1035( 13) | 1164( 8) |
| | | | | 1250( 8) | 1293( 9) | 1336( 7) | 1379( 9) | 1422( 8) | 1465( 8) |
| 875 | 199 | 67.20 | 317.00 | 174( 18) | 418( 2) | 587( 25) | 662( 6) | 1035( 17) | 1164( 24) |
| | | | | 1250( 15) | 1293( 25) | 1336( 5) | 1379( 18) | 1422( 23) | 1465( 21) |
| 876 | 62 | 67.20 | 317.50 | 587( 17) | 1035( 4) | 1207( 3) | 1250( 9) | 1293( 8) | 1379( 8) |
| | | | | 1422( 9) | 1465( 4) | | | | |
| 877 | 68 | 67.20 | 318.00 | 461( 39) | 630( 3) | 831( 26) | | | |
| 878 | 74 | 67.20 | 318.50 | 461( 2) | 630( 41) | 831( 31) | | | |
| 879 | 12 | 67.20 | 319.00 | 630( 12) | | | | | |
| 880 | 49 | 67.20 | 319.50 | 260( 10) | 673( 8) | 874( 31) | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 881 | 38 | 67.20 | 320.00 | 260( 3) | 429( 12) | 673( 10) | 874( 13) | | |
| 882 | 24 | 67.20 | 320.50 | 429( 19) | 547( 5) | | | | |
| 883 | 4 | 67.20 | 321.00 | 547( 4) | | | | | |
| 884 | 30 | 67.20 | 321.50 | 228( 6) | 472( 10) | 716( 7) | 791( 7) | | |
| 885 | 31 | 67.20 | 322.00 | 228( 13) | 472( 3) | 716( 3) | 791( 12) | | |
| 886 | 12 | 67.20 | 322.50 | 590( 12) | | | | | |
| 887 | 3 | 67.20 | 323.00 | 515( 1) | 590( 2) | | | | |
| 888 | 2 | 67.20 | 323.50 | 759( 2) | | | | | |
| 892 | 23 | 67.20 | 325.50 | 432( 5) | 1221( 3) | 1264( 15) | | | |
| 934 | 4 | 67.40 | 306.50 | 648( 2) | 849( 2) | | | | |
| 935 | 6 | 67.40 | 307.00 | 530( 2) | 849( 4) | | | | |
| 936 | 24 | 67.40 | 307.50 | 286( 2) | 530( 8) | 1021( 10) | 1279( 1) | 1322( 3) | |
| 937 | 52 | 67.40 | 308.00 | 530( 6) | 774( 16) | 1021( 4) | 1150( 1) | 1236( 2) | 1322( 17) |
| | | | | 1494( 6) | | | | | |
| 938 | 10 | 67.40 | 308.50 | 774( 6) | 1236( 2) | 1322( 2) | | | |
| 940 | 1 | 67.40 | 309.50 | 573( 1) | | | | | |
| 941 | 3 | 67.40 | 310.00 | 616( 3) | | | | | |
| 942 | 4 | 67.40 | 310.50 | 616( 4) | | | | | |
| 944 | 21 | 67.40 | 311.50 | 289( 16) | 659( 5) | | | | |
| 945 | 44 | 67.40 | 312.00 | 289( 5) | 777( 24) | 1032( 15) | | | |
| 946 | 22 | 67.40 | 312.50 | 576( 11) | 777( 5) | 1032( 6) | | | |
| 947 | 37 | 67.40 | 313.00 | 576( 37) | | | | | |
| 948 | 2 | 67.40 | 313.50 | 576( 2) | | | | | |
| 949 | 1 | 67.40 | 314.00 | 820( 1) | | | | | |
| 950 | 34 | 67.40 | 314.50 | 501( 2) | 619( 23) | 820( 9) | | | |
| 951 | 62 | 67.40 | 315.00 | 257( 39) | 501( 23) | | | | |
| 952 | 61 | 67.40 | 315.50 | 257( 19) | 418( 13) | 501( 4) | 662( 25) | | |
| 953 | 368 | 67.40 | 316.00 | 174( 36) | 418( 40) | 544( 18) | 662( 33) | 1035( 31) | 1164( 25) |
| | | | | 1207( 26) | 1250( 26) | 1293( 27) | 1336( 27) | 1379( 27) | 1422( 26) |
| | | | | 1465( 26) | | | | | |
| 954 | 332 | 67.40 | 316.50 | 174( 22) | 418( 5) | 544( 40) | 788( 8) | 1035( 25) | 1164( 30) |
| | | | | 1207( 26) | 1250( 30) | 1293( 29) | 1336( 29) | 1379( 29) | 1422( 29) |
| | | | | 1465( 30) | | | | | |
| 955 | 51 | 67.40 | 317.00 | 461( 12) | 788( 39) | | | | |
| 956 | 56 | 67.40 | 317.50 | 461( 22) | 587( 23) | 788( 11) | | | |
| 957 | 36 | 67.40 | 318.00 | 461( 1) | 587( 35) | | | | |
| 958 | 17 | 67.40 | 318.50 | 504( 8) | 831( 9) | | | | |
| 959 | 88 | 67.40 | 319.00 | 260( 22) | 504( 3) | 630( 26) | 831( 37) | | |
| 960 | 34 | 67.40 | 319.50 | 260( 2) | 630( 31) | 831( 1) | | | |
| 962 | 33 | 67.40 | 320.50 | 429( 6) | 547( 4) | 673( 7) | 874( 16) | | |
| 963 | 35 | 67.40 | 321.00 | 429( 14) | 673( 10) | 791( 11) | | | |
| 964 | 5 | 67.40 | 321.50 | 590( 3) | 791( 2) | | | | |
| 965 | 23 | 67.40 | 322.00 | 590( 19) | 716( 4) | | | | |
| 966 | 42 | 67.40 | 322.50 | 228( 9) | 472( 24) | 716( 9) | | | |
| 967 | 43 | 67.40 | 323.00 | 633( 28) | 834( 15) | | | | |
| 968 | 2 | 67.40 | 323.50 | 834( 2) | | | | | |
| 970 | 2 | 67.40 | 324.50 | 1221( 2) | | | | | |
| 971 | 2 | 67.40 | 325.00 | 558( 2) | | | | | |
| 1014 | 1 | 67.60 | 306.50 | 160( 1) | | | | | |
| 1015 | 21 | 67.60 | 307.00 | 160( 5) | 243( 3) | 1150( 10) | 1279( 3) | | |
| 1016 | 3 | 67.60 | 307.50 | 1021( 2) | 1150( 1) | | | | |
| 1017 | 9 | 67.60 | 308.00 | 530( 9) | | | | | |
| 1018 | 16 | 67.60 | 308.50 | 530( 6) | 774( 10) | | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1019 | 10 | 67.60 | 309.00 | 774( 10) | | | | | |
| 1020 | 5 | 67.60 | 309.50 | 490( 1) | 573( 4) | | | | |
| 1021 | 7 | 67.60 | 310.00 | 573( 7) | | | | | |
| 1023 | 40 | 67.60 | 311.00 | 289( 2) | 616( 18) | 777( 20) | | | |
| 1024 | 18 | 67.60 | 311.50 | 616( 1) | 777( 17) | | | | |
| 1025 | 5 | 67.60 | 312.00 | 576( 5) | | | | | |
| 1026 | 7 | 67.60 | 312.50 | 576( 2) | 659( 3) | 1032( 2) | | | |
| 1027 | 19 | 67.60 | 313.00 | 619( 1) | 659( 12) | 1032( 6) | | | |
| 1028 | 5 | 67.60 | 313.50 | 619( 3) | 1032( 2) | | | | |
| 1029 | 17 | 67.60 | 314.00 | 619( 17) | | | | | |
| 1030 | 6 | 67.60 | 314.50 | 662( 6) | | | | | |
| 1031 | 137 | 67.60 | 315.00 | 174( 17) | 418( 32) | 662( 39) | 1164( 6) | 1250( 7) | 1293( 7) |
| | | | | 1336( 8) | 1379( 8) | 1422( 7) | 1465( 6) | | |
| 1032 | 454 | 67.60 | 315.50 | 174( 39) | 257( 18) | 418( 26) | 501( 35) | 662( 14) | 1035( 31) |
| | | | | 1164( 39) | 1207( 20) | 1250( 39) | 1293( 39) | 1336( 39) | 1379( 39) |
| | | | | 1422( 39) | 1465( 37) | | | | |
| 1033 | 157 | 67.60 | 316.00 | 174( 3) | 257( 39) | 501( 22) | 1035( 8) | 1164( 14) | 1207( 2) |
| | | | | 1250( 13) | 1293( 12) | 1336( 12) | 1379( 9) | 1422( 10) | 1465( 13) |
| 1034 | 37 | 67.60 | 316.50 | 461( 37) | | | | | |
| 1035 | 59 | 67.60 | 317.00 | 461( 20) | 544( 39) | | | | |
| 1036 | 46 | 67.60 | 317.50 | 544( 19) | 788( 27) | | | | |
| 1037 | 80 | 67.60 | 318.00 | 260( 21) | 504( 25) | 587( 4) | 788( 30) | | |
| 1038 | 73 | 67.60 | 318.50 | 260( 32) | 504( 2) | 587( 39) | | | |
| 1039 | 20 | 67.60 | 319.00 | 547( 6) | 587( 14) | | | | |
| 1040 | 40 | 67.60 | 319.50 | 547( 31) | 630( 9) | | | | |
| 1041 | 49 | 67.60 | 320.00 | 630( 39) | 791( 5) | 831( 5) | | | |
| 1042 | 9 | 67.60 | 320.50 | 630( 9) | | | | | |
| 1043 | 35 | 67.60 | 321.00 | 590( 24) | 673( 6) | 874( 5) | | | |
| 1044 | 32 | 67.60 | 321.50 | 429( 14) | 590( 10) | 673( 8) | | | |
| 1045 | 43 | 67.60 | 322.00 | 429( 21) | 633( 9) | 673( 4) | 834( 9) | | |
| 1046 | 24 | 67.60 | 322.50 | 472( 4) | 633( 12) | 834( 8) | | | |
| 1047 | 17 | 67.60 | 323.00 | 228( 4) | 472( 7) | 633( 5) | 716( 1) | | |
| 1048 | 4 | 67.60 | 323.50 | 877( 1) | 1221( 3) | | | | |
| 1049 | 2 | 67.60 | 324.00 | 1264( 2) | | | | | |
| 1053 | 10 | 67.60 | 326.00 | 231( 10) | | | | | |
| 1093 | 4 | 67.80 | 306.00 | 1279( 4) | | | | | |
| 1094 | 22 | 67.80 | 306.50 | 1150( 1) | 1279( 14) | 1322( 7) | | | |
| 1095 | 3 | 67.80 | 307.00 | 1279( 1) | 1494( 2) | | | | |
| 1097 | 1 | 67.80 | 308.00 | 490( 1) | | | | | |
| 1098 | 1 | 67.80 | 308.50 | 490( 1) | | | | | |
| 1099 | 3 | 67.80 | 309.00 | 530( 1) | 774( 2) | | | | |
| 1100 | 10 | 67.80 | 309.50 | 774( 10) | | | | | |
| 1101 | 7 | 67.80 | 310.00 | 573( 7) | | | | | |
| 1102 | 22 | 67.80 | 310.50 | 289( 10) | 573( 4) | 777( 8) | | | |
| 1103 | 15 | 67.80 | 311.00 | 573( 5) | 576( 10) | | | | |
| 1104 | 7 | 67.80 | 311.50 | 576( 4) | 616( 3) | | | | |
| 1105 | 9 | 67.80 | 312.00 | 616( 6) | 820( 3) | | | | |
| 1106 | 11 | 67.80 | 312.50 | 619( 6) | 820( 5) | | | | |
| 1107 | 37 | 67.80 | 313.00 | 619( 15) | 659( 19) | 820( 3) | | | |
| 1108 | 17 | 67.80 | 313.50 | 659( 17) | | | | | |
| 1109 | 62 | 67.80 | 314.00 | 418( 15) | 662( 25) | 1032( 22) | | | |
| 1110 | 217 | 67.80 | 314.50 | 174( 24) | 418( 29) | 662( 32) | 1035( 16) | 1164( 19) | 1207( 9) |
| | | | | 1250( 17) | 1293( 17) | 1379( 19) | 1422( 18) | 1465( 17) | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1111 | 175 | 67.80 | 315.00 | 174( 16) | 418( 7) | 1035( 1) | 1164( 23) | 1207( 18) | 1250( 19) |
| | | | | 1293( 18) | 1336( 15) | 1379( 21) | 1422( 15) | 1465( 22) | |
| 1112 | 19 | 67.80 | 315.50 | 461( 19) | | | | | |
| 1113 | 53 | 67.80 | 316.00 | 461( 39) | 501( 14) | | | | |
| 1114 | 79 | 67.80 | 316.50 | 257( 38) | 461( 2) | 501( 39) | | | |
| 1115 | 61 | 67.80 | 317.00 | 257( 22) | 260( 10) | 501( 7) | 504( 22) | | |
| 1116 | 87 | 67.80 | 317.50 | 260( 39) | 504( 29) | 544( 19) | | | |
| 1117 | 57 | 67.80 | 318.00 | 260( 11) | 544( 38) | 788( 8) | | | |
| 1118 | 62 | 67.80 | 318.50 | 544( 3) | 547( 28) | 788( 31) | | | |
| 1119 | 55 | 67.80 | 319.00 | 547( 32) | 587( 10) | 788( 13) | | | |
| 1120 | 25 | 67.80 | 319.50 | 587( 23) | 791( 2) | | | | |
| 1122 | 10 | 67.80 | 320.50 | 630( 7) | 831( 3) | | | | |
| 1123 | 23 | 67.80 | 321.00 | 630( 11) | 831( 12) | | | | |
| 1124 | 26 | 67.80 | 321.50 | 633( 2) | 834( 8) | 874( 16) | | | |
| 1125 | 47 | 67.80 | 322.00 | 429( 16) | 633( 12) | 673( 7) | 874( 12) | | |
| 1126 | 56 | 67.80 | 322.50 | 429( 35) | 673( 6) | 676( 2) | 874( 5) | 877( 8) | |
| 1127 | 21 | 67.80 | 323.00 | 429( 4) | 877( 2) | 1264( 15) | | | |
| 1128 | 5 | 67.80 | 323.50 | 432( 3) | 716( 2) | | | | |
| 1131 | 5 | 67.80 | 325.00 | 231( 4) | 271( 1) | | | | |
| 1132 | 30 | 67.80 | 325.50 | 271( 19) | 515( 9) | 759( 2) | | | |
| 1133 | 5 | 67.80 | 326.00 | 518( 5) | | | | | |
| 1134 | 5 | 67.80 | 326.50 | 274( 1) | 518( 1) | 558( 3) | | | |
| 1135 | 8 | 67.80 | 327.00 | 558( 8) | | | | | |
| 1174 | 1 | 68.00 | 306.50 | 1405( 1) | | | | | |
| 1176 | 1 | 68.00 | 307.50 | 200( 1) | | | | | |
| 1177 | 1 | 68.00 | 308.00 | 490( 1) | | | | | |
| 1180 | 9 | 68.00 | 309.50 | 289( 4) | 777( 5) | | | | |
| 1181 | 31 | 68.00 | 310.00 | 530( 4) | 576( 5) | 774( 5) | 777( 17) | | |
| 1182 | 11 | 68.00 | 310.50 | 286( 2) | 576( 5) | 774( 4) | | | |
| 1183 | 13 | 68.00 | 311.00 | 573( 2) | 576( 11) | | | | |
| 1184 | 14 | 68.00 | 311.50 | 573( 14) | | | | | |
| 1185 | 5 | 68.00 | 312.00 | 619( 5) | | | | | |
| 1186 | 13 | 68.00 | 312.50 | 616( 9) | 619( 4) | | | | |
| 1187 | 14 | 68.00 | 313.00 | 418( 1) | 616( 2) | 662( 11) | | | |
| 1188 | 59 | 68.00 | 313.50 | 418( 9) | 662( 10) | 1035( 18) | 1164( 13) | 1207( 1) | 1250( 8) |
| 1189 | 72 | 68.00 | 314.00 | 174( 3) | 418( 15) | 659( 10) | 1035( 7) | 1164( 11) | 1207( 14) |
| | | | | 1250( 12) | | | | | |
| 1190 | 22 | 68.00 | 314.50 | 461( 4) | 659( 18) | | | | |
| 1191 | 8 | 68.00 | 315.00 | 461( 6) | 1032( 2) | | | | |
| 1192 | 9 | 68.00 | 315.50 | 461( 9) | | | | | |
| 1193 | 3 | 68.00 | 316.00 | 504( 3) | | | | | |
| 1194 | 70 | 68.00 | 316.50 | 260( 33) | 504( 37) | | | | |
| 1195 | 89 | 68.00 | 317.00 | 257( 16) | 260( 28) | 501( 30) | 504( 15) | | |
| 1196 | 82 | 68.00 | 317.50 | 257( 38) | 501( 31) | 547( 13) | | | |
| 1197 | 43 | 68.00 | 318.00 | 257( 7) | 547( 36) | | | | |
| 1198 | 69 | 68.00 | 318.50 | 544( 32) | 547( 8) | 791( 29) | | | |
| 1199 | 65 | 68.00 | 319.00 | 544( 26) | 590( 16) | 788( 23) | | | |
| 1200 | 74 | 68.00 | 319.50 | 587( 2) | 590( 38) | 788( 34) | | | |
| 1201 | 24 | 68.00 | 320.00 | 587( 23) | 590( 1) | | | | |
| 1202 | 16 | 68.00 | 320.50 | 587( 8) | 834( 8) | | | | |
| 1203 | 14 | 68.00 | 321.00 | 831( 11) | 834( 3) | | | | |
| 1204 | 52 | 68.00 | 321.50 | 630( 31) | 831( 19) | 877( 2) | | | |
| 1205 | 64 | 68.00 | 322.00 | 432( 13) | 630( 18) | 676( 1) | 877( 9) | 1221( 23) | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1206 | 79 | 68.00 | 322.50 | 432( 7) | 673( 6) | 676( 13) | 874( 32) | 877( 2) | 1221( 9) |
| | | | | 1264( 10) | | | | | |
| 1207 | 72 | 68.00 | 323.00 | 429( 17) | 432( 7) | 673( 20) | 874( 28) | | |
| 1208 | 27 | 68.00 | 323.50 | 231( 3) | 475( 11) | 719( 13) | | | |
| 1209 | 29 | 68.00 | 324.00 | 231( 20) | 475( 6) | 719( 3) | | | |
| 1210 | 8 | 68.00 | 324.50 | 472( 2) | 716( 6) | | | | |
| 1212 | 5 | 68.00 | 325.50 | 515( 5) | | | | | |
| 1213 | 9 | 68.00 | 326.00 | 271( 3) | 762( 6) | | | | |
| 1214 | 6 | 68.00 | 326.50 | 271( 6) | | | | | |
| 1258 | 9 | 68.20 | 308.50 | 777( 9) | | | | | |
| 1259 | 8 | 68.20 | 309.00 | 777( 8) | | | | | |
| 1260 | 8 | 68.20 | 309.50 | 243( 8) | | | | | |
| 1261 | 2 | 68.20 | 310.00 | 576( 2) | | | | | |
| 1262 | 8 | 68.20 | 310.50 | 286( 3) | 530( 5) | | | | |
| 1263 | 10 | 68.20 | 311.00 | 286( 4) | 530( 2) | 820( 4) | | | |
| 1264 | 1 | 68.20 | 311.50 | 286( 1) | | | | | |
| 1265 | 24 | 68.20 | 312.00 | 573( 24) | | | | | |
| 1266 | 25 | 68.20 | 312.50 | 174( 7) | 418( 9) | 573( 2) | 662( 6) | 1164( 1) | |
| 1267 | 55 | 68.20 | 313.00 | 174( 5) | 418( 11) | 616( 1) | 662( 1) | 1035( 4) | 1164( 21) |
| | | | | 1207( 1) | 1250( 11) | | | | |
| 1268 | 23 | 68.20 | 313.50 | 174( 1) | 616( 6) | 1035( 11) | 1207( 4) | 1250( 1) | |
| 1269 | 41 | 68.20 | 314.00 | 461( 29) | 616( 12) | | | | |
| 1270 | 40 | 68.20 | 314.50 | 461( 28) | 659( 12) | | | | |
| 1271 | 46 | 68.20 | 315.00 | 659( 33) | 1032( 13) | | | | |
| 1272 | 75 | 68.20 | 315.50 | 260( 21) | 504( 18) | 659( 6) | 1032( 30) | | |
| 1273 | 44 | 68.20 | 316.00 | 260( 35) | 1032( 9) | | | | |
| 1274 | 5 | 68.20 | 316.50 | 260( 4) | 547( 1) | | | | |
| 1275 | 37 | 68.20 | 317.00 | 547( 37) | | | | | |
| 1276 | 54 | 68.20 | 317.50 | 501( 7) | 547( 24) | 791( 23) | | | |
| 1277 | 107 | 68.20 | 318.00 | 257( 30) | 501( 35) | 590( 5) | 791( 37) | | |
| 1278 | 89 | 68.20 | 318.50 | 257( 32) | 501( 18) | 590( 37) | 791( 2) | | |
| 1279 | 30 | 68.20 | 319.00 | 544( 11) | 590( 19) | | | | |
| 1280 | 62 | 68.20 | 319.50 | 544( 37) | 788( 2) | 834( 23) | | | |
| 1281 | 61 | 68.20 | 320.00 | 544( 14) | 633( 7) | 788( 33) | 834( 7) | | |
| 1282 | 39 | 68.20 | 320.50 | 587( 16) | 788( 23) | | | | |
| 1283 | 52 | 68.20 | 321.00 | 587( 32) | 877( 20) | | | | |
| 1284 | 36 | 68.20 | 321.50 | 432( 16) | 587( 9) | 676( 2) | 831( 2) | 1221( 6) | 1264( 1) |
| 1285 | 106 | 68.20 | 322.00 | 432( 24) | 630( 19) | 831( 37) | 1221( 14) | 1264( 12) | |
| 1286 | 71 | 68.20 | 322.50 | 475( 4) | 630( 34) | 719( 10) | 831( 23) | | |
| 1287 | 85 | 68.20 | 323.00 | 231( 28) | 475( 33) | 719( 23) | 874( 1) | | |
| 1288 | 28 | 68.20 | 323.50 | 231( 23) | 475( 5) | | | | |
| 1289 | 8 | 68.20 | 324.00 | 429( 5) | 518( 1) | 673( 2) | | | |
| 1290 | 10 | 68.20 | 324.50 | 274( 1) | 518( 9) | | | | |
| 1291 | 4 | 68.20 | 325.00 | 472( 3) | 716( 1) | | | | |
| 1292 | 34 | 68.20 | 325.50 | 472( 22) | 561( 10) | 716( 2) | | | |
| 1295 | 4 | 68.20 | 327.00 | 805( 4) | | | | | |
| 1339 | 2 | 68.40 | 309.00 | 200( 1) | 688( 1) | | | | |
| 1341 | 8 | 68.40 | 310.00 | 243( 8) | | | | | |
| 1342 | 22 | 68.40 | 310.50 | 243( 9) | 619( 13) | | | | |
| 1344 | 16 | 68.40 | 311.50 | 174( 2) | 286( 8) | 418( 2) | 530( 4) | | |
| 1345 | 40 | 68.40 | 312.00 | 174( 16) | 286( 9) | 418( 3) | 1035( 6) | 1164( 6) | |
| 1346 | 20 | 68.40 | 312.50 | 174( 3) | 418( 3) | 573( 3) | 1164( 7) | 1207( 2) | 1250( 2) |
| 1347 | 7 | 68.40 | 313.00 | 573( 7) | | | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1348 | 5 | 68.40 | 313.50 | 461( 1) | 573( 4) | | | | |
| 1349 | 10 | 68.40 | 314.00 | 461( 1) | 616( 9) | | | | |
| 1350 | 12 | 68.40 | 314.50 | 260( 2) | 504( 3) | 616( 7) | | | |
| 1351 | 65 | 68.40 | 315.00 | 260( 37) | 504( 22) | 616( 6) | | | |
| 1352 | 31 | 68.40 | 315.50 | 260( 16) | 504( 3) | 659( 12) | | | |
| 1353 | 27 | 68.40 | 316.00 | 547( 27) | | | | | |
| 1354 | 63 | 68.40 | 316.50 | 547( 36) | 1032( 27) | | | | |
| 1355 | 34 | 68.40 | 317.00 | 791( 32) | 1032( 2) | | | | |
| 1356 | 43 | 68.40 | 317.50 | 590( 29) | 791( 14) | | | | |
| 1357 | 32 | 68.40 | 318.00 | 590( 32) | | | | | |
| 1358 | 40 | 68.40 | 318.50 | 257( 5) | 501( 19) | 834( 16) | | | |
| 1359 | 143 | 68.40 | 319.00 | 257( 36) | 501( 36) | 633( 35) | 834( 36) | | |
| 1360 | 53 | 68.40 | 319.50 | 257( 22) | 501( 8) | 633( 11) | 834( 12) | | |
| 1361 | 27 | 68.40 | 320.00 | 544( 23) | 676( 3) | 1221( 1) | | | |
| 1362 | 106 | 68.40 | 320.50 | 544( 32) | 676( 36) | 788( 13) | 877( 3) | 1221( 22) | |
| 1363 | 48 | 68.40 | 321.00 | 432( 3) | 544( 2) | 676( 8) | 788( 35) | | |
| 1364 | 29 | 68.40 | 321.50 | 587( 27) | 788( 2) | | | | |
| 1365 | 94 | 68.40 | 322.00 | 231( 9) | 475( 19) | 587( 30) | 719( 36) | | |
| 1366 | 110 | 68.40 | 322.50 | 231( 37) | 475( 32) | 719( 27) | 831( 14) | | |
| 1367 | 36 | 68.40 | 323.00 | 231( 9) | 630( 27) | | | | |
| 1368 | 33 | 68.40 | 323.50 | 274( 1) | 630( 32) | | | | |
| 1369 | 35 | 68.40 | 324.00 | 274( 34) | 762( 1) | | | | |
| 1370 | 6 | 68.40 | 324.50 | 274( 5) | 429( 1) | | | | |
| 1371 | 9 | 68.40 | 325.00 | 561( 6) | 673( 3) | | | | |
| 1372 | 5 | 68.40 | 325.50 | 561( 5) | | | | | |
| 1373 | 1 | 68.40 | 326.00 | 716( 1) | | | | | |
| 1379 | 23 | 68.40 | 329.00 | 558( 5) | 690( 1) | 891( 4) | 1321( 8) | 1493( 5) | |
| 1380 | 3 | 68.40 | 329.50 | 1321( 3) | | | | | |
| 1415 | 2 | 68.60 | 307.00 | 777( 2) | | | | | |
| 1416 | 1 | 68.60 | 307.50 | 777( 1) | | | | | |
| 1419 | 9 | 68.60 | 309.00 | 619( 2) | 1147( 7) | | | | |
| 1421 | 6 | 68.60 | 310.00 | 200( 2) | 619( 2) | 688( 2) | | | |
| 1422 | 1 | 68.60 | 310.50 | 662( 1) | | | | | |
| 1423 | 25 | 68.60 | 311.00 | 174( 3) | 243( 9) | 418( 2) | 1035( 1) | 1164( 4) | 1207( 6) |
| 1424 | 38 | 68.60 | 311.50 | 174( 19) | 662( 5) | 1035( 3) | 1164( 5) | 1207( 6) | |
| 1425 | 10 | 68.60 | 312.00 | 286( 5) | 530( 3) | 1250( 2) | | | |
| 1426 | 6 | 68.60 | 312.50 | 461( 4) | 530( 2) | | | | |
| 1427 | 33 | 68.60 | 313.00 | 286( 20) | 530( 5) | 774( 8) | | | |
| 1428 | 7 | 68.60 | 313.50 | 260( 4) | 573( 1) | 774( 2) | | | |
| 1429 | 34 | 68.60 | 314.00 | 260( 4) | 573( 30) | | | | |
| 1430 | 5 | 68.60 | 314.50 | 573( 5) | | | | | |
| 1431 | 35 | 68.60 | 315.00 | 547( 9) | 616( 26) | | | | |
| 1432 | 36 | 68.60 | 315.50 | 547( 4) | 616( 26) | 791( 6) | | | |
| 1433 | 44 | 68.60 | 316.00 | 547( 8) | 791( 36) | | | | |
| 1434 | 28 | 68.60 | 316.50 | 590( 22) | 659( 2) | 791( 4) | | | |
| 1435 | 70 | 68.60 | 317.00 | 590( 36) | 659( 2) | 1032( 32) | | | |
| 1436 | 7 | 68.60 | 317.50 | 590( 5) | 1032( 2) | | | | |
| 1437 | 63 | 68.60 | 318.00 | 633( 27) | 834( 36) | | | | |
| 1438 | 56 | 68.60 | 318.50 | 633( 36) | 834( 20) | | | | |
| 1439 | 25 | 68.60 | 319.00 | 633( 1) | 877( 24) | | | | |
| 1440 | 151 | 68.60 | 319.50 | 257( 15) | 432( 20) | 501( 28) | 676( 27) | 877( 31) | 1221( 30) |
| 1441 | 165 | 68.60 | 320.00 | 257( 35) | 432( 36) | 501( 35) | 676( 33) | 1221( 26) | |
| 1442 | 21 | 68.60 | 320.50 | 257( 15) | 432( 5) | 501( 1) | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1443 | 15 | 68.60 | 321.00 | 231( 11) | 544( 4) | | | | | | | | |
| 1444 | 69 | 68.60 | 321.50 | 231( 27) | 475( 9) | 544( 2) | | 719( 28) | | 788( 3) | | | |
| 1446 | 52 | 68.60 | 322.50 | 518( 28) | 587( 24) | | | | | | | | |
| 1447 | 31 | 68.60 | 323.00 | 518( 5) | 587( 25) | 762( 1) | | | | | | | |
| 1448 | 7 | 68.60 | 323.50 | 630( 4) | 831( 3) | | | | | | | | |
| 1449 | 21 | 68.60 | 324.00 | 561( 6) | 630( 15) | | | | | | | | |
| 1450 | 3 | 68.60 | 324.50 | 630( 3) | | | | | | | | | |
| 1452 | 15 | 68.60 | 325.50 | 805( 10) | 874( 5) | | | | | | | | |
| 1456 | 4 | 68.60 | 327.50 | 716( 4) | | | | | | | | | |
| 1458 | 5 | 68.60 | 328.50 | 271( 1) | 1020( 4) | | | | | | | | |
| 1459 | 1 | 68.60 | 329.00 | 515( 1) | | | | | | | | | |
| 1461 | 7 | 68.60 | 330.00 | 489( 7) | | | | | | | | | |
| 1463 | 2 | 68.60 | 331.00 | 802( 2) | | | | | | | | | |
| 1465 | 8 | 68.60 | 332.00 | 776( 8) | | | | | | | | | |
| 1498 | 3 | 68.80 | 308.50 | 645( 3) | | | | | | | | | |
| 1499 | 17 | 68.80 | 309.00 | 401( 13) | 645( 1) | 846( 1) | | 889( 2) | | | | | |
| 1500 | 9 | 68.80 | 309.50 | 401( 3) | 662( 2) | 1491( 4) | | | | | | | |
| 1501 | 38 | 68.80 | 310.00 | 200( 5) | 444( 3) | 662( 16) | | 688( 3) | | 1190( 5) | | 1491( 6) | |
| 1502 | 47 | 68.80 | 310.50 | 174( 5) | 200( 12) | 418( 3) | | 444( 3) | | 688( 5) | | 1035( 9) | |
| | | | | 1164( 7) | 1250( 3) | | | | | | | | |
| 1503 | 10 | 68.80 | 311.00 | 200( 10) | | | | | | | | | |
| 1504 | 4 | 68.80 | 311.50 | 243( 4) | | | | | | | | | |
| 1505 | 5 | 68.80 | 312.00 | 243( 5) | | | | | | | | | |
| 1506 | 2 | 68.80 | 312.50 | 243( 2) | | | | | | | | | |
| 1507 | 13 | 68.80 | 313.00 | 260( 13) | | | | | | | | | |
| 1508 | 34 | 68.80 | 313.50 | 260( 30) | 504( 4) | | | | | | | | |
| 1509 | 1 | 68.80 | 314.00 | 774( 1) | | | | | | | | | |
| 1510 | 17 | 68.80 | 314.50 | 547( 13) | 573( 2) | 791( 2) | | | | | | | |
| 1511 | 12 | 68.80 | 315.00 | 573( 9) | 791( 3) | | | | | | | | |
| 1512 | 34 | 68.80 | 315.50 | 590( 12) | 791( 22) | | | | | | | | |
| 1513 | 52 | 68.80 | 316.00 | 590( 32) | 616( 20) | | | | | | | | |
| 1514 | 23 | 68.80 | 316.50 | 590( 11) | 616( 7) | 834( 5) | | | | | | | |
| 1515 | 32 | 68.80 | 317.00 | 633( 1) | 834( 31) | | | | | | | | |
| 1516 | 43 | 68.80 | 317.50 | 633( 27) | 659( 15) | 834( 1) | | | | | | | |
| 1517 | 34 | 68.80 | 318.00 | 633( 7) | 659( 24) | 1032( 3) | | | | | | | |
| 1518 | 54 | 68.80 | 318.50 | 432( 17) | 676( 23) | 877( 2) | | 1221( 12) | | | | | |
| 1519 | 113 | 68.80 | 319.00 | 432( 35) | 676( 35) | 877( 8) | | 1221( 35) | | | | | |
| 1520 | 25 | 68.80 | 319.50 | 432( 15) | 676( 4) | 1221( 6) | | | | | | | |
| 1521 | 32 | 68.80 | 320.00 | 231( 7) | 719( 25) | | | | | | | | |
| 1522 | 103 | 68.80 | 320.50 | 231( 35) | 257( 21) | 475( 3) | | 501( 32) | | 719( 12) | | | |
| 1523 | 73 | 68.80 | 321.00 | 231( 23) | 257( 13) | 475( 3) | | 501( 32) | | 719( 2) | | | |
| 1524 | 41 | 68.80 | 321.50 | 257( 4) | 274( 11) | 518( 23) | | 762( 3) | | | | | |
| 1525 | 63 | 68.80 | 322.00 | 274( 4) | 518( 35) | 762( 24) | | | | | | | |
| 1526 | 12 | 68.80 | 322.50 | 518( 8) | 544( 3) | 788( 1) | | | | | | | |
| 1527 | 17 | 68.80 | 323.00 | 561( 17) | | | | | | | | | |
| 1529 | 2 | 68.80 | 324.00 | 587( 2) | | | | | | | | | |
| 1530 | 1 | 68.80 | 324.50 | 831( 1) | | | | | | | | | |
| 1531 | 10 | 68.80 | 325.00 | 630( 5) | 831( 5) | | | | | | | | |
| 1532 | 3 | 68.80 | 325.50 | 831( 2) | 874( 1) | | | | | | | | |
| 1533 | 25 | 68.80 | 326.00 | 673( 4) | 848( 13) | 874( 8) | | | | | | | |
| 1534 | 4 | 68.80 | 326.50 | 673( 2) | 874( 1) | 891( 1) | | | | | | | |
| 1535 | 1 | 68.80 | 327.00 | 891( 1) | | | | | | | | | |
| 1536 | 4 | 68.80 | 327.50 | 690( 4) | | | | | | | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1537 | 3 | 68.80 | 328.00 | 228( 3) | | | | | | | | | |
| 1538 | 1 | 68.80 | 328.50 | 228( 1) | | | | | | | | | |
| 1540 | 1 | 68.80 | 329.50 | 515( 1) | | | | | | | | | |
| 1541 | 1 | 68.80 | 330.00 | 271( 1) | | | | | | | | | |
| 1543 | 20 | 68.80 | 331.00 | 776( 20) | | | | | | | | | |
| 1579 | 10 | 69.00 | 309.00 | 418( 5) | 662( 5) | | | | | | | | |
| 1580 | 19 | 69.00 | 309.50 | 401( 2) | 645( 6) | 1035( 2) | | 1164( 3) | | 1207( 6) | | | |
| 1581 | 3 | 69.00 | 310.00 | 645( 3) | | | | | | | | | |
| 1582 | 5 | 69.00 | 310.50 | 1276( 5) | | | | | | | | | |
| 1583 | 21 | 69.00 | 311.00 | 2[illegible]( 9) | 444( 3) | 688( 2) | | 889( 3) | | 1190( 6) | | | |
| 1584 | 10 | 69.00 | 311.50 | 200( 2) | 444( 5) | 504( 1) | | 688( 2) | | | | | |
| 1585 | 29 | 69.00 | 312.00 | 200( 11) | 260( 7) | 504( 11) | | | | | | | |
| 1586 | 11 | 69.00 | 312.50 | 243( 4) | 260( 7) | | | | | | | | |
| 1588 | 20 | 69.00 | 313.50 | 243( 5) | 547( 14) | 791( 1) | | | | | | | |
| 1589 | 15 | 69.00 | 314.00 | 286( 8) | 547( 5) | 791( 2) | | | | | | | |
| 1590 | 13 | 69.00 | 314.50 | 286( 1) | 530( 9) | 791( 3) | | | | | | | |
| 1591 | 16 | 69.00 | 315.00 | 286( 6) | 590( 9) | 774( 1) | | | | | | | |
| 1592 | 23 | 69.00 | 315.50 | 573( 19) | 834( 4) | | | | | | | | |
| 1593 | 41 | 69.00 | 316.00 | 573( 34) | 834( 7) | | | | | | | | |
| 1594 | 26 | 69.00 | 316.50 | 616( 3) | 633( 4) | 834( 19) | | | | | | | |
| 1595 | 39 | 69.00 | 317.00 | 616( 25) | 633( 7) | 877( 7) | | | | | | | |
| 1596 | 77 | 69.00 | 317.50 | 432( 15) | 616( 27) | 676( 23) | | 877( 7) | | 1221( 5) | | | |
| 1597 | 92 | 69.00 | 318.00 | 432( 33) | 659( 6) | 676( 33) | | 877( 8) | | 1221( 12) | | | |
| 1598 | 72 | 69.00 | 318.50 | 432( 18) | 659( 35) | 676( 6) | | 1032( 6) | | 1221( 7) | | | |
| 1599 | 92 | 69.00 | 319.00 | 231( 6) | 475( 6) | 659( 27) | | 719( 21) | | 1032( 32) | | | |
| 1600 | 98 | 69.00 | 319.50 | 231( 32) | 475( 7) | 719( 35) | | 1032( 24) | | | | | |
| 1601 | 35 | 69.00 | 320.00 | 231( 26) | 719( 9) | | | | | | | | |
| 1602 | 34 | 69.00 | 320.50 | 274( 10) | 518( 22) | 762( 2) | | | | | | | |
| 1603 | 78 | 69.00 | 321.00 | 274( 34) | 501( 3) | 518( 35) | | 762( 6) | | | | | |
| 1604 | 96 | 69.00 | 321.50 | 274( 24) | 501( 31) | 518( 12) | | 762( 29) | | | | | |
| 1605 | 48 | 69.00 | 322.00 | 257( 3) | 501( 20) | 561( 25) | | | | | | | |
| 1606 | 33 | 69.00 | 322.50 | 561( 33) | | | | | | | | | |
| 1607 | 8 | 69.00 | 323.00 | 561( 8) | | | | | | | | | |
| 1608 | 3 | 69.00 | 323.50 | 788( 1) | 805( 2) | | | | | | | | |
| 1609 | 1 | 69.00 | 324.00 | 788( 1) | | | | | | | | | |
| 1611 | 2 | 69.00 | 325.00 | 848( 2) | | | | | | | | | |
| 1612 | 16 | 69.00 | 325.50 | 831( 7) | 848( 9) | | | | | | | | |
| 1613 | 2 | 69.00 | 326.00 | 630( 2) | | | | | | | | | |
| 1614 | 6 | 69.00 | 326.50 | 446( 4) | 1020( 2) | | | | | | | | |
| 1615 | 3 | 69.00 | 327.00 | 874( 3) | | | | | | | | | |
| 1616 | 7 | 69.00 | 327.50 | 673( 4) | 874( 3) | | | | | | | | |
| 1617 | 10 | 69.00 | 328.00 | 429( 7) | 489( 3) | | | | | | | | |
| 1618 | 11 | 69.00 | 328.50 | 245( 11) | | | | | | | | | |
| 1619 | 4 | 69.00 | 329.00 | 228( 4) | | | | | | | | | |
| 1620 | 5 | 69.00 | 329.50 | 228( 2) | 716( 3) | | | | | | | | |
| 1621 | 13 | 69.00 | 330.00 | 776( 13) | | | | | | | | | |
| 1622 | 5 | 69.00 | 330.50 | 776( 5) | | | | | | | | | |
| 1624 | 1 | 69.00 | 331.50 | 759( 1) | | | | | | | | | |
| 1625 | 16 | 69.00 | 332.00 | 558( 16) | | | | | | | | | |
| 1659 | 24 | 69.20 | 309.00 | 461( 4) | 803( 13) | 1164( 7) | | | | | | | |
| 1662 | 19 | 69.20 | 310.50 | 846( 19) | | | | | | | | | |
| 1663 | 46 | 69.20 | 311.00 | 260( 4) | 401( 3) | 504( 1) | | 645( 10) | | 846( 17) | | 889( 11) | |
| 1664 | 31 | 69.20 | 311.50 | 260( 9) | 401( 3) | 889( 6) | | 1018( 7) | | 1190( 3) | | 1276( 3) | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1665 | 36 | 69.20 | 312.00 | 200( 4) | 444( 1) | 688( 4) | 889( 7) | 1018( 11) | 1276( 9) |
| 1666 | 34 | 69.20 | 312.50 | 200( 2) | 444( 14) | 547( 16) | 688( 2) | | |
| 1667 | 23 | 69.20 | 313.00 | 200( 13) | 547( 8) | 688( 2) | | | |
| 1668 | 24 | 69.20 | 313.50 | 791( 24) | | | | | |
| 1669 | 12 | 69.20 | 314.00 | 243( 10) | 590( 2) | | | | |
| 1670 | 1 | 69.20 | 314.50 | 243( 1) | | | | | |
| 1671 | 9 | 69.20 | 315.00 | 286( 2) | 633( 7) | | | | |
| 1672 | 48 | 69.20 | 315.50 | 286( 16) | 530( 19) | 633( 8) | 774( 1) | 834( 4) | |
| 1673 | 24 | 69.20 | 316.00 | 286( 14) | 633( 2) | 877( 8) | | | |
| 1674 | 91 | 69.20 | 316.50 | 432( 9) | 573( 31) | 676( 27) | 877( 1) | 1221( 21) | 1264( 2) |
| 1675 | 69 | 69.20 | 317.00 | 432( 6) | 573( 7) | 676( 34) | 877( 14) | 1264( 8) | |
| 1676 | 33 | 69.20 | 317.50 | 432( 19) | 573( 2) | 616( 4) | 676( 8) | | |
| 1677 | 72 | 69.20 | 318.00 | 231( 8) | 475( 16) | 616( 32) | 719( 16) | | |
| 1678 | 101 | 69.20 | 318.50 | 231( 34) | 475( 7) | 616( 26) | 719( 34) | | |
| 1679 | 45 | 69.20 | 319.00 | 231( 28) | 659( 7) | 719( 10) | | | |
| 1680 | 61 | 69.20 | 319.50 | 274( 12) | 518( 3) | 659( 34) | 762( 3) | 1032( 9) | |
| 1681 | 153 | 69.20 | 320.00 | 274( 34) | 518( 33) | 659( 24) | 762( 28) | 1032( 34) | |
| 1682 | 95 | 69.20 | 320.50 | 274( 24) | 518( 12) | 762( 32) | 1032( 27) | | |
| 1683 | 27 | 69.20 | 321.00 | 561( 27) | | | | | |
| 1684 | 35 | 69.20 | 321.50 | 561( 34) | 805( 1) | | | | |
| 1685 | 11 | 69.20 | 322.00 | 561( 9) | 805( 2) | | | | |
| 1689 | 2 | 69.20 | 324.00 | 647( 1) | 848( 1) | | | | |
| 1690 | 6 | 69.20 | 324.50 | 891( 6) | | | | | |
| 1691 | 1 | 69.20 | 325.00 | 788( 1) | | | | | |
| 1692 | 6 | 69.20 | 325.50 | 587( 2) | 788( 3) | 1020( 1) | | | |
| 1693 | 7 | 69.20 | 326.00 | 587( 7) | | | | | |
| 1694 | 1 | 69.20 | 326.50 | 831( 1) | | | | | |
| 1695 | 19 | 69.20 | 327.00 | 489( 10) | 831( 9) | | | | |
| 1696 | 18 | 69.20 | 327.50 | 245( 9) | 630( 5) | 831( 1) | 874( 3) | | |
| 1697 | 18 | 69.20 | 328.00 | 245( 5) | 429( 2) | 673( 5) | 874( 6) | | |
| 1698 | 13 | 69.20 | 328.50 | 673( 13) | | | | | |
| 1699 | 5 | 69.20 | 329.00 | 288( 1) | 776( 4) | | | | |
| 1700 | 14 | 69.20 | 329.50 | 716( 2) | 776( 12) | | | | |
| 1701 | 12 | 69.20 | 330.00 | 228( 2) | 472( 10) | | | | |
| 1702 | 1 | 69.20 | 330.50 | 228( 1) | | | | | |
| 1703 | 6 | 69.20 | 331.00 | 228( 2) | 819( 4) | | | | |
| 1707 | 7 | 69.20 | 333.00 | 558( 7) | | | | | |
| 1708 | 2 | 69.20 | 333.50 | 802( 2) | | | | | |
| 1709 | 19 | 69.20 | 334.00 | 460( 1) | 1421( 11) | 1464( 7) | | | |
| 1710 | 1 | 69.20 | 334.50 | 460( 1) | | | | | |
| 1734 | 4 | 69.40 | 306.50 | 662( 4) | | | | | |
| 1735 | 20 | 69.40 | 307.00 | 662( 3) | 1164( 7) | 1379( 5) | 1465( 5) | | |
| 1736 | 2 | 69.40 | 307.50 | 174( 2) | | | | | |
| 1739 | 5 | 69.40 | 309.00 | 559( 5) | | | | | |
| 1741 | 5 | 69.40 | 310.00 | 260( 5) | | | | | |
| 1743 | 11 | 69.40 | 311.00 | 547( 7) | 846( 4) | | | | |
| 1744 | 17 | 69.40 | 311.50 | 547( 3) | 645( 3) | 846( 11) | | | |
| 1745 | 52 | 69.40 | 312.00 | 401( 9) | 547( 7) | 645( 10) | 791( 3) | 846( 13) | 889( 10) |
| 1746 | 24 | 69.40 | 312.50 | 401( 2) | 645( 3) | 791( 3) | 889( 7) | 1018( 2) | 1276( 7) |
| 1747 | 30 | 69.40 | 313.00 | 444( 6) | 688( 13) | 889( 11) | | | |
| 1748 | 29 | 69.40 | 313.50 | 200( 4) | 444( 4) | 590( 10) | 834( 11) | | |
| 1749 | 15 | 69.40 | 314.00 | 200( 6) | 688( 1) | 834( 8) | | | |
| 1750 | 17 | 69.40 | 314.50 | 243( 4) | 633( 12) | 834( 1) | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1751 | 15 | 69.40 | 315.00 | 243( 15) | | | | | |
| 1752 | 63 | 69.40 | 315.50 | 243( 13) | 432( 7) | 676( 24) | 877( 1) | 1264( 18) | |
| 1753 | 61 | 69.40 | 316.00 | 286( 15) | 432( 7) | 530( 3) | 676( 4) | 1221( 2) | 1264( 30) |
| 1754 | 77 | 69.40 | 316.50 | 286( 26) | 432( 10) | 530( 27) | 774( 9) | 1221( 2) | 1264( 3) |
| 1755 | 78 | 69.40 | 317.00 | 231( 9) | 475( 26) | 530( 5) | 719( 31) | 774( 7) | |
| 1756 | 65 | 69.40 | 317.50 | 231( 6) | 475( 4) | 573( 29) | 719( 26) | | |
| 1757 | 65 | 69.40 | 318.00 | 231( 26) | 475( 4) | 573( 33) | 719( 2) | | |
| 1758 | 17 | 69.40 | 318.50 | 518( 9) | 573( 7) | 616( 1) | | | |
| 1759 | 73 | 69.40 | 319.00 | 274( 15) | 518( 17) | 616( 28) | 762( 13) | | |
| 1760 | 70 | 69.40 | 319.50 | 274( 22) | 616( 18) | 762( 30) | | | |
| 1761 | 42 | 69.40 | 320.00 | 561( 32) | 616( 4) | 659( 6) | | | |
| 1762 | 80 | 69.40 | 320.50 | 561( 34) | 659( 33) | 805( 6) | 1032( 7) | | |
| 1763 | 104 | 69.40 | 321.00 | 561( 7) | 659( 33) | 805( 33) | 1032( 31) | | |
| 1764 | 62 | 69.40 | 321.50 | 659( 1) | 805( 33) | 1032( 28) | | | |
| 1767 | 3 | 69.40 | 323.00 | 848( 3) | | | | | |
| 1768 | 9 | 69.40 | 323.50 | 501( 2) | 647( 6) | 1020( 1) | | | |
| 1769 | 8 | 69.40 | 324.00 | 690( 1) | 891( 7) | | | | |
| 1770 | 12 | 69.40 | 324.50 | 257( 5) | 446( 2) | 1020( 5) | | | |
| 1771 | 14 | 69.40 | 325.00 | 446( 8) | 544( 6) | | | | |
| 1772 | 8 | 69.40 | 325.50 | 544( 7) | 788( 1) | | | | |
| 1773 | 19 | 69.40 | 326.00 | 489( 9) | 788( 10) | | | | |
| 1774 | 41 | 69.40 | 326.50 | 245( 2) | 489( 18) | 587( 12) | 788( 9) | | |
| 1775 | 3 | 69.40 | 327.00 | 489( 1) | 532( 1) | 587( 1) | | | |
| 1776 | 24 | 69.40 | 327.50 | 831( 24) | | | | | |
| 1777 | 28 | 69.40 | 328.00 | 288( 11) | 532( 13) | 776( 4) | | | |
| 1778 | 6 | 69.40 | 328.50 | 288( 1) | 630( 4) | 776( 1) | | | |
| 1780 | 2 | 69.40 | 329.50 | 429( 2) | | | | | |
| 1781 | 17 | 69.40 | 330.00 | 429( 13) | 819( 4) | | | | |
| 1782 | 7 | 69.40 | 330.50 | 819( 7) | | | | | |
| 1785 | 2 | 69.40 | 332.00 | 1034( 2) | | | | | |
| 1788 | 4 | 69.40 | 333.50 | 460( 4) | | | | | |
| 1789 | 2 | 69.40 | 334.00 | 460( 2) | | | | | |
| 1790 | 2 | 69.40 | 334.50 | 558( 2) | | | | | |
| 1814 | 6 | 69.60 | 305.20 | 1391( 5) | 1434( 1) | | | | |
| 1815 | 3 | 69.60 | 305.60 | 186( 1) | 1176( 2) | | | | |
| 1816 | 2 | 69.60 | 306.00 | 186( 1) | 662( 1) | | | | |
| 1817 | 11 | 69.60 | 306.40 | 1336( 7) | 1379( 1) | 1465( 3) | | | |
| 1818 | 7 | 69.60 | 306.80 | 1336( 3) | 1379( 1) | 1465( 3) | | | |
| 1822 | 2 | 69.60 | 308.40 | 516( 2) | | | | | |
| 1823 | 2 | 69.60 | 308.80 | 504( 2) | | | | | |
| 1824 | 10 | 69.60 | 309.20 | 260( 5) | 504( 5) | | | | |
| 1825 | 5 | 69.60 | 309.60 | 260( 5) | | | | | |
| 1826 | 8 | 69.60 | 310.00 | 559( 8) | | | | | |
| 1828 | 6 | 69.60 | 310.80 | 547( 6) | | | | | |
| 1829 | 6 | 69.60 | 311.20 | 791( 6) | | | | | |
| 1830 | 5 | 69.60 | 311.60 | 791( 5) | | | | | |
| 1832 | 7 | 69.60 | 312.40 | 590( 1) | 645( 6) | | | | |
| 1833 | 13 | 69.60 | 312.80 | 645( 8) | 846( 5) | | | | |
| 1834 | 6 | 69.60 | 313.20 | 889( 6) | | | | | |
| 1835 | 11 | 69.60 | 313.60 | 633( 3) | 834( 7) | 1018( 1) | | | |
| 1836 | 4 | 69.60 | 314.00 | 633( 4) | | | | | |
| 1837 | 18 | 69.60 | 314.40 | 200( 4) | 444( 2) | 688( 1) | 877( 11) | | |
| 1838 | 9 | 69.60 | 314.80 | 200( 1) | 432( 3) | 444( 2) | 676( 1) | 1264( 2) | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1839 | 18 | 69.60 | 315.20 | 432( 12) | 1221( 3) | 1264( 3) | | | |
| 1841 | 4 | 69.60 | 316.00 | 243( 4) | | | | | |
| 1842 | 37 | 69.60 | 316.40 | 475( 17) | 719( 20) | | | | |
| 1843 | 51 | 69.60 | 316.80 | 231( 16) | 475( 20) | 719( 15) | | | |
| 1844 | 6 | 69.60 | 317.20 | 231( 6) | | | | | |
| 1845 | 12 | 69.60 | 317.60 | 286( 3) | 774( 9) | | | | |
| 1846 | 32 | 69.60 | 318.00 | 274( 1) | 518( 26) | 762( 5) | | | |
| 1847 | 51 | 69.60 | 318.40 | 274( 1) | 518( 11) | 573( 12) | 762( 27) | | |
| 1848 | 16 | 69.60 | 318.80 | 573( 14) | 762( 2) | | | | |
| 1849 | 10 | 69.60 | 319.20 | 561( 10) | | | | | |
| 1850 | 26 | 69.60 | 319.60 | 561( 26) | | | | | |
| 1851 | 23 | 69.60 | 320.00 | 561( 1) | 616( 18) | 805( 4) | | | |
| 1852 | 41 | 69.60 | 320.40 | 616( 15) | 805( 26) | | | | |
| 1853 | 7 | 69.60 | 320.79 | 805( 7) | | | | | |
| 1854 | 6 | 69.60 | 321.19 | 659( 6) | | | | | |
| 1855 | 18 | 69.60 | 321.59 | 659( 17) | 1032( 1) | | | | |
| 1856 | 28 | 69.60 | 321.99 | 647( 4) | 659( 5) | 1032( 19) | | | |
| 1857 | 33 | 69.60 | 322.39 | 647( 21) | 848( 2) | 1032( 10) | | | |
| 1858 | 14 | 69.60 | 322.79 | 891( 14) | | | | | |
| 1860 | 3 | 69.60 | 323.59 | 446( 3) | | | | | |
| 1862 | 6 | 69.60 | 324.39 | 257( 3) | 501( 3) | | | | |
| 1867 | 15 | 69.60 | 326.39 | 544( 5) | 788( 10) | | | | |
| 1868 | 7 | 69.60 | 326.79 | 788( 7) | | | | | |
| 1869 | 16 | 69.60 | 327.19 | 587( 7) | 776( 9) | | | | |
| 1870 | 1 | 69.60 | 327.59 | 587( 1) | | | | | |
| 1873 | 5 | 69.60 | 328.79 | 630( 5) | | | | | |
| 1875 | 7 | 69.60 | 329.59 | 819( 7) | | | | | |
| 1877 | 11 | 69.60 | 330.39 | 429( 2) | 673( 9) | | | | |
| 1878 | 1 | 69.60 | 330.79 | 429( 1) | | | | | |
| 1884 | 2 | 69.60 | 333.19 | 460( 2) | | | | | |
| 1885 | 1 | 69.60 | 333.59 | 271( 1) | | | | | |
| 1886 | 4 | 69.60 | 333.99 | 503( 4) | | | | | |
| 1890 | 1 | 69.60 | 335.59 | 802( 1) | | | | | |
| 1891 | 1 | 69.60 | 335.99 | 802( 1) | | | | | |
| 1914 | 5 | 69.70 | 305.20 | 662( 5) | | | | | |
| 1916 | 20 | 69.70 | 306.00 | 174( 2) | 1164( 9) | 1336( 4) | 1465( 5) | | |
| 1917 | 7 | 69.70 | 306.40 | 1336( 7) | | | | | |
| 1919 | 2 | 69.70 | 307.20 | 461( 1) | 473( 1) | | | | |
| 1920 | 1 | 69.70 | 307.60 | 473( 1) | | | | | |
| 1923 | 2 | 69.70 | 308.80 | 504( 2) | | | | | |
| 1924 | 3 | 69.70 | 309.20 | 260( 3) | | | | | |
| 1927 | 5 | 69.70 | 310.40 | 791( 5) | | | | | |
| 1928 | 5 | 69.70 | 310.80 | 559( 3) | 791( 2) | | | | |
| 1930 | 2 | 69.70 | 311.60 | 590( 2) | | | | | |
| 1933 | 19 | 69.70 | 312.80 | 633( 18) | 846( 1) | | | | |
| 1934 | 28 | 69.70 | 313.20 | 633( 18) | 645( 10) | | | | |
| 1935 | 2 | 69.70 | 313.60 | 846( 1) | 877( 1) | | | | |
| 1936 | 19 | 69.70 | 314.00 | 676( 2) | 877( 4) | 889( 13) | | | |
| 1937 | 35 | 69.70 | 314.40 | 432( 3) | 676( 16) | 889( 2) | 1018( 9) | 1221( 2) | 1264( 3) |
| 1938 | 17 | 69.70 | 314.80 | 200( 1) | 444( 2) | 676( 5) | 688( 9) | | |
| 1939 | 14 | 69.70 | 315.20 | 200( 5) | 444( 9) | | | | |
| 1940 | 9 | 69.70 | 315.60 | 200( 1) | 475( 2) | 719( 6) | | | |
| 1941 | 57 | 69.70 | 316.00 | 231( 14) | 475( 17) | 719( 26) | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1942 | 22 | 69.70 | 316.40 | 231( 5) | 243( 3) | 475( 9) | 719( 5) | | |
| 1943 | 17 | 69.70 | 316.80 | 243( 17) | | | | | |
| 1944 | 11 | 69.70 | 317.20 | 518( 11) | | | | | |
| 1945 | 56 | 69.70 | 317.60 | 274( 26) | 518( 24) | 762( 6) | | | |
| 1946 | 40 | 69.70 | 318.00 | 274( 11) | 762( 17) | 774( 12) | | | |
| 1947 | 5 | 69.70 | 318.40 | 774( 5) | | | | | |
| 1948 | 21 | 69.70 | 318.80 | 561( 21) | | | | | |
| 1949 | 22 | 69.70 | 319.20 | 561( 16) | 573( 6) | | | | |
| 1950 | 24 | 69.70 | 319.60 | 573( 9) | 805( 15) | | | | |
| 1951 | 26 | 69.70 | 320.00 | 604( 4) | 805( 22) | | | | |
| 1952 | 11 | 69.70 | 320.40 | 616( 11) | | | | | |
| 1953 | 22 | 69.70 | 320.79 | 616( 22) | | | | | |
| 1955 | 19 | 69.70 | 321.59 | 647( 15) | 848( 4) | | | | |
| 1956 | 39 | 69.70 | 321.99 | 647( 18) | 659( 21) | | | | |
| 1957 | 64 | 69.70 | 322.39 | 659( 16) | 891( 22) | 1020( 9) | 1032( 17) | | |
| 1958 | 43 | 69.70 | 322.79 | 891( 10) | 1020( 19) | 1032( 14) | | | |
| 1959 | 16 | 69.70 | 323.19 | 446( 15) | 690( 1) | | | | |
| 1960 | 23 | 69.70 | 323.59 | 446( 23) | | | | | |
| 1963 | 6 | 69.70 | 324.79 | 489( 6) | | | | | |
| 1965 | 7 | 69.70 | 325.59 | 257( 3) | 501( 4) | | | | |
| 1967 | 3 | 69.70 | 326.39 | 532( 3) | | | | | |
| 1968 | 7 | 69.70 | 326.79 | 288( 1) | 544( 2) | 776( 4) | | | |
| 1969 | 16 | 69.70 | 327.19 | 776( 1) | 788( 15) | | | | |
| 1970 | 11 | 69.70 | 327.59 | 575( 11) | | | | | |
| 1974 | 8 | 69.70 | 329.19 | 819( 8) | | | | | |
| 1978 | 15 | 69.70 | 330.79 | 417( 13) | 673( 2) | | | | |
| 1979 | 4 | 69.70 | 331.19 | 429( 4) | | | | | |
| 1981 | 2 | 69.70 | 331.99 | 460( 2) | | | | | |
| 1982 | 7 | 69.70 | 332.39 | 460( 2) | 472( 5) | | | | |
| 1986 | 1 | 69.70 | 333.99 | 503( 1) | | | | | |
| 1992 | 1 | 69.70 | 336.39 | 802( 1) | | | | | |
| 2014 | 1 | 69.80 | 305.20 | 662( 1) | | | | | |
| 2015 | 11 | 69.80 | 305.60 | 1336( 5) | 1379( 1) | 1465( 5) | | | |
| 2016 | 1 | 69.80 | 306.00 | 1336( 1) | | | | | |
| 2017 | 4 | 69.80 | 306.40 | 875( 4) | | | | | |
| 2018 | 12 | 69.80 | 306.80 | 461( 12) | | | | | |
| 2026 | 6 | 69.80 | 310.00 | 272( 6) | | | | | |
| 2027 | 1 | 69.80 | 310.40 | 791( 1) | | | | | |
| 2028 | 8 | 69.80 | 310.80 | 559( 8) | | | | | |
| 2029 | 17 | 69.80 | 311.20 | 559( 12) | 590( 5) | | | | |
| 2031 | 7 | 69.80 | 312.00 | 834( 7) | | | | | |
| 2032 | 16 | 69.80 | 312.40 | 633( 8) | 834( 8) | | | | |
| 2033 | 4 | 69.80 | 312.80 | 633( 4) | | | | | |
| 2034 | 1 | 69.80 | 313.20 | 877( 1) | | | | | |
| 2035 | 26 | 69.80 | 313.60 | 676( 13) | 846( 3) | 1264( 10) | | | |
| 2036 | 32 | 69.80 | 314.00 | 432( 2) | 645( 6) | 676( 13) | 846( 6) | 1221( 5) | |
| 2037 | 11 | 69.80 | 314.40 | 432( 3) | 889( 3) | 1018( 5) | | | |
| 2038 | 8 | 69.80 | 314.80 | 1018( 8) | | | | | |
| 2039 | 47 | 69.80 | 315.20 | 444( 9) | 475( 11) | 688( 19) | 719( 8) | | |
| 2040 | 50 | 69.80 | 315.60 | 200( 5) | 231( 3) | 444( 26) | 475( 6) | 688( 6) | 719( 4) |
| 2041 | 8 | 69.80 | 316.00 | 200( 6) | 444( 2) | | | | |
| 2043 | 48 | 69.80 | 316.80 | 243( 9) | 274( 13) | 518( 24) | 762( 2) | | |
| 2044 | 82 | 69.80 | 317.20 | 243( 17) | 274( 26) | 518( 14) | 762( 25) | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2045 | 11 | 69.80 | 317.60 | 243( 3) | 762( 8) | | | | |
| 2047 | 26 | 69.80 | 318.40 | 286( 4) | 561( 22) | | | | |
| 2048 | 17 | 69.80 | 318.80 | 286( 2) | 561( 5) | 774( 10) | | | |
| 2049 | 31 | 69.80 | 319.20 | 774( 7) | 805( 24) | | | | |
| 2050 | 36 | 69.80 | 319.60 | 573( 17) | 604( 8) | 805( 11) | | | |
| 2051 | 32 | 69.80 | 320.00 | 573( 22) | 604( 10) | | | | |
| 2053 | 12 | 69.80 | 320.79 | 616( 1) | 647( 2) | 848( 9) | | | |
| 2054 | 73 | 69.80 | 321.19 | 616( 21) | 647( 26) | 848( 26) | | | |
| 2055 | 38 | 69.80 | 321.59 | 616( 9) | 647( 11) | 848( 4) | 891( 14) | | |
| 2056 | 42 | 69.80 | 321.99 | 891( 21) | 1020( 21) | | | | |
| 2057 | 36 | 69.80 | 322.39 | 446( 2) | 659( 10) | 690( 7) | 1020( 17) | | |
| 2058 | 51 | 69.80 | 322.79 | 446( 25) | 659( 26) | | | | |
| 2059 | 13 | 69.80 | 323.19 | 446( 11) | 659( 2) | | | | |
| 2061 | 10 | 69.80 | 323.99 | 489( 10) | | | | | |
| 2062 | 17 | 69.80 | 324.39 | 489( 17) | | | | | |
| 2063 | 1 | 69.80 | 324.79 | 245( 1) | | | | | |
| 2065 | 4 | 69.80 | 325.59 | 501( 4) | | | | | |
| 2066 | 22 | 69.80 | 325.99 | 257( 2) | 288( 2) | 501( 18) | | | |
| 2068 | 5 | 69.80 | 326.79 | 575( 5) | | | | | |
| 2069 | 25 | 69.80 | 327.19 | 575( 25) | | | | | |
| 2070 | 8 | 69.80 | 327.59 | 575( 8) | | | | | |
| 2071 | 5 | 69.80 | 327.99 | 788( 3) | 819( 2) | | | | |
| 2072 | 9 | 69.80 | 328.39 | 618( 2) | 819( 7) | | | | |
| 2077 | 15 | 69.80 | 330.39 | 417( 15) | | | | | |
| 2078 | 3 | 69.80 | 330.79 | 173( 2) | 1034( 1) | | | | |
| 2080 | 4 | 69.80 | 331.59 | 460( 4) | | | | | |
| 2083 | 1 | 69.80 | 332.79 | 716( 1) | | | | | |
| 2084 | 14 | 69.80 | 333.19 | 259( 3) | 472( 1) | 716( 10) | | | |
| 2085 | 2 | 69.80 | 333.59 | 228( 1) | 472( 1) | | | | |
| 2089 | 3 | 69.80 | 335.19 | 271( 3) | | | | | |
| 2114 | 1 | 69.90 | 305.20 | 1379( 1) | | | | | |
| 2115 | 1 | 69.90 | 305.60 | 631( 1) | | | | | |
| 2116 | 1 | 69.90 | 306.00 | 631( 1) | | | | | |
| 2127 | 10 | 69.90 | 310.40 | 272( 6) | 516( 4) | | | | |
| 2129 | 3 | 69.90 | 311.20 | 559( 3) | | | | | |
| 2130 | 24 | 69.90 | 311.60 | 559( 23) | 834( 1) | | | | |
| 2131 | 13 | 69.90 | 312.00 | 559( 7) | 633( 6) | | | | |
| 2132 | 7 | 69.90 | 312.40 | 803( 7) | | | | | |
| 2133 | 5 | 69.90 | 312.80 | 803( 5) | | | | | |
| 2134 | 18 | 69.90 | 313.20 | 676( 8) | 877( 5) | 1221( 1) | 1264( 4) | | |
| 2135 | 26 | 69.90 | 313.60 | 432( 9) | 676( 6) | 1221( 3) | 1264( 8) | | |
| 2136 | 10 | 69.90 | 314.00 | 846( 10) | | | | | |
| 2137 | 20 | 69.90 | 314.40 | 645( 3) | 719( 4) | 846( 13) | | | |
| 2138 | 14 | 69.90 | 314.80 | 401( 1) | 475( 6) | 645( 5) | 719( 2) | | |
| 2139 | 42 | 69.90 | 315.20 | 475( 11) | 889( 22) | 1018( 9) | | | |
| 2140 | 27 | 69.90 | 315.60 | 688( 7) | 889( 4) | 1018( 16) | | | |
| 2141 | 57 | 69.90 | 316.00 | 200( 1) | 274( 1) | 444( 21) | 518( 12) | 688( 22) | |
| 2142 | 81 | 69.90 | 316.40 | 200( 6) | 274( 25) | 444( 15) | 518( 25) | 688( 3) | 762( 7) |
| 2143 | 24 | 69.90 | 316.80 | 200( 1) | 274( 13) | 518( 2) | 762( 8) | | |
| 2145 | 32 | 69.90 | 317.60 | 243( 23) | 561( 9) | | | | |
| 2146 | 17 | 69.90 | 318.00 | 243( 17) | | | | | |
| 2147 | 12 | 69.90 | 318.40 | 805( 12) | | | | | |
| 2148 | 28 | 69.90 | 318.80 | 286( 7) | 530( 8) | 805( 13) | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | |
|---|---|---|---|---|---|---|---|---|
| 2149 | 63 | 69.90 | 319.20 | 286( 26) | 530( 20) | 774( 17) | | |
| 2150 | 28 | 69.90 | 319.60 | 286( 6) | 774( 22) | | | |
| 2151 | 3 | 69.90 | 320.00 | 573( 3) | | | | |
| 2152 | 65 | 69.90 | 320.40 | 573( 26) | 647( 16) | 848( 23) | | |
| 2153 | 48 | 69.90 | 320.79 | 573( 10) | 647( 20) | 848( 16) | 891( 2) | |
| 2154 | 33 | 69.90 | 321.19 | 891( 25) | 1020( 8) | | | |
| 2155 | 49 | 69.90 | 321.59 | 616( 11) | 891( 12) | 1020( 26) | | |
| 2156 | 61 | 69.90 | 321.99 | 446( 10) | 616( 21) | 690( 25) | 1020( 5) | |
| 2157 | 38 | 69.90 | 322.39 | 446( 24) | 690( 14) | | | |
| 2159 | 23 | 69.90 | 323.19 | 659( 23) | | | | |
| 2160 | 52 | 69.90 | 323.59 | 245( 13) | 489( 23) | 659( 16) | | |
| 2161 | 14 | 69.90 | 323.99 | 489( 14) | | | | |
| 2166 | 6 | 69.90 | 325.99 | 501( 6) | | | | |
| 2167 | 26 | 69.90 | 326.39 | 501( 25) | 575( 1) | | | |
| 2168 | 24 | 69.90 | 326.79 | 501( 8) | 575( 16) | | | |
| 2172 | 2 | 69.90 | 328.39 | 788( 2) | | | | |
| 2175 | 2 | 69.90 | 329.59 | 587( 2) | | | | |
| 2176 | 7 | 69.90 | 329.99 | 1034( 7) | | | | |
| 2182 | 2 | 69.90 | 332.39 | 429( 2) | | | | |
| 2186 | 22 | 69.90 | 333.99 | 472( 18) | 716( 4) | | | |
| 2187 | 5 | 69.90 | 334.39 | 790( 5) | | | | |
| 2188 | 2 | 69.90 | 334.79 | 790( 2) | | | | |
| 2189 | 1 | 69.90 | 335.19 | 271( 1) | | | | |
| 2190 | 4 | 69.90 | 335.59 | 271( 4) | | | | |
| 2221 | 8 | 70.00 | 308.00 | 186( 2) | 1176( 2) | 1477( 4) | | |
| 2222 | I | 70.00 | 308.40 | 186( 1) | | | | |
| 2224 | 7 | 70.00 | 309.20 | 717( 1) | 791( 6) | | | |
| 2228 | 13 | 70.00 | 310.80 | 272( 3) | 516( 4) | 760( 2) | 834( 4) | |
| 2229 | 20 | 70.00 | 311.20 | 272( 7) | 633( 6) | 760( 7) | | |
| 2231 | 28 | 70.00 | 312.00 | 559( 18) | 877( 10) | | | |
| 2232 | 28 | 70.00 | 312.40 | 559( 15) | 877( 13) | | | |
| 2233 | 47 | 70.00 | 312.80 | 432( 13) | 676( 13) | 803( 15) | 1221( 4) | 1264( 2) |
| 2234 | 8 | 70.00 | 313.20 | 432( 5) | 803( 3) | | | |
| 2236 | 9 | 70.00 | 314.00 | 231( 5) | 719( 4) | | | |
| 2237 | 40 | 70.00 | 314.40 | 231( 22) | 475( 4) | 719( 14) | | |
| 2238 | 11 | 70.00 | 314.80 | 231( 3) | 645( 5) | 846( 3) | | |
| 2239 | 16 | 70.00 | 315.20 | 401( 4) | 645( 1) | 846( 11) | | |
| 2240 | 61 | 70.00 | 315.60 | 274( 15) | 518( 23) | 645( 1) | 889( 18) | 1018( 4) |
| 2241 | 76 | 70.00 | 316.00 | 274( 17) | 518( 14) | 762( 12) | 889( 8) | 1018( 25) |
| 2242 | 39 | 70.00 | 316.40 | 444( 8) | 688( 22) | 762( 7) | 1018( 2) | |
| 2243 | 39 | 70.00 | 316.80 | 200( 2) | 444( 26) | 561( 11) | | |
| 2244 | 12 | 70.00 | 317.20 | 444( 4) | 561( 8) | | | |
| 2246 | 24 | 70.00 | 318.00 | 243( 8) | 805( 16) | | | |
| 2247 | 26 | 70.00 | 318.40 | 243( 25) | 805( 1) | | | |
| 2248 | 6 | 70.00 | 318.80 | 243( 6) | | | | |
| 2249 | 6 | 70.00 | 319.20 | 530( 6) | | | | |
| 2250 | 51 | 70.00 | 319.60 | 286( 19) | 530( 13) | 647( 5) | 774( 3) | 848( 11) |
| 2251 | 105 | 70.00 | 320.00 | 286( 21) | 530( 9) | 647( 25) | 774( 25) | 848( 25) |
| 2252 | 37 | 70.00 | 320.40 | 647( 10) | 774( 10) | 848( 3) | 891( 14) | |
| 2253 | 59 | 70.00 | 320.79 | 573( 15) | 891( 21) | 1020( 23) | | |
| 2254 | 60 | 70.00 | 321.19 | 446( 4) | 573( 25) | 690( 14) | 1020( 17) | |
| 2255 | 48 | 70.00 | 321.59 | 446( 22) | 690( 26) | | | |
| 2256 | 10 | 70.00 | 321.99 | 446( 10) | | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2257 | 21 | 70.00 | 322.39 | 616( 21) | | | | | |
| 2258 | 25 | 70.00 | 322.79 | 245( 2) | 489( 12) | 616( 11) | | | |
| 2259 | 51 | 70.00 | 323.19 | 245( 26) | 489( 25) | | | | |
| 2260 | 14 | 70.00 | 323.59 | 245( 12) | 489( 1) | 659( 1) | | | |
| 2262 | 8 | 70.00 | 324.39 | 532( 8) | | | | | |
| 2263 | 10 | 70.00 | 324.79 | 532( 7) | 776( 1) | 1032( 2) | | | |
| 2264 | 8 | 70.00 | 325.19 | 776( 8) | | | | | |
| 2267 | 1 | 70.00 | 326.39 | 575( 1) | | | | | |
| 2268 | 18 | 70.00 | 326.79 | 501( 18) | | | | | |
| 2269 | 38 | 70.00 | 327.19 | 257( 2) | 501( 21) | 618( 14) | 819( 1) | | |
| 2270 | 15 | 70.00 | 327.59 | 618( 15) | | | | | |
| 2275 | 4 | 70.00 | 329.59 | 587( 4) | | | | | |
| 2288 | 4 | 70.00 | 334.79 | 228( 4) | | | | | |
| 2321 | 11 | 70.10 | 308.00 | 791( 3) | 875( 1) | 1176( 5) | 1477( 2) | | |
| 2322 | 33 | 70.10 | 308.40 | 186( 9) | 791( 7) | 875( 3) | 1176( 6) | 1477( 8) | |
| 2323 | 12 | 70.10 | 308.80 | 186( 5) | 590( 7) | | | | |
| 2324 | 3 | 70.10 | 309.20 | 186( 3) | | | | | |
| 2327 | 8 | 70.10 | 310.40 | 229( 1) | 473( 4) | 633( 3) | | | |
| 2328 | 1 | 70.10 | 310.80 | 834( 1) | | | | | |
| 2329 | 2 | 70.10 | 311.20 | 877( 2) | | | | | |
| 2330 | 17 | 70.10 | 311.60 | 272( 10) | 676( 1) | 760( 6) | | | |
| 2331 | 29 | 70.10 | 312.00 | 272( 5) | 432( 4) | 676( 1) | 760( 12) | 1221( 4) | 1264( 3) |
| 2332 | 10 | 70.10 | 312.40 | 432( 10) | | | | | |
| 2333 | 4 | 70.10 | 312.80 | 559( 4) | | | | | |
| 2334 | 12 | 70.10 | 313.20 | 559( 12) | | | | | |
| 2335 | 22 | 70.10 | 313.60 | 231( 3) | 475( 4) | 719( 12) | 803( 3) | | |
| 2336 | 4 | 70.10 | 314.00 | 231( 4) | | | | | |
| 2338 | 16 | 70.10 | 314.80 | 274( 4) | 518( 12) | | | | |
| 2339 | 13 | 70.10 | 315.20 | 274( 1) | 518( 5) | 762( 7) | | | |
| 2340 | 23 | 70.10 | 315.60 | 274( 4) | 645( 17) | 846( 2) | | | |
| 2341 | 36 | 70.10 | 316.00 | 401( 11) | 561( 1) | 645( 12) | 846( 6) | 889( 6) | |
| 2342 | 58 | 70.10 | 316.40 | 401( 3) | 561( 18) | 889( 26) | 1018( 11) | | |
| 2343 | 44 | 70.10 | 316.80 | 561( 15) | 889( 9) | 1018( 20) | | | |
| 2344 | 37 | 70.10 | 317.20 | 200( 1) | 444( 21) | 688( 4) | 805( 11) | | |
| 2345 | 32 | 70.10 | 317.60 | 200( 3) | 444( 20) | 688( 9) | | | |
| 2348 | 17 | 70.10 | 318.80 | 243( 15) | 848( 2) | | | | |
| 2349 | 60 | 70.10 | 319.20 | 243( 15) | 647( 20) | 848( 25) | | | |
| 2350 | 38 | 70.10 | 319.60 | 647( 20) | 848( 14) | 891( 4) | | | |
| 2351 | 58 | 70.10 | 320.00 | 286( 4) | 530( 16) | 891( 25) | 1020( 13) | | |
| 2352 | 103 | 70.10 | 320.40 | 286( 26) | 530( 23) | 690( 5) | 774( 14) | 891( 9) | 1020( 26) |
| 2353 | 83 | 70.10 | 320.79 | 286( 11) | 446( 20) | 690( 25) | 774( 25) | 1020( 2) | |
| 2354 | 34 | 70.10 | 321.19 | 446( 21) | 573( 1) | 690( 11) | 774( 1) | | |
| 2355 | 25 | 70.10 | 321.59 | 573( 25) | | | | | |
| 2356 | 12 | 70.10 | 321.99 | 489( 1) | 573( 11) | | | | |
| 2357 | 43 | 70.10 | 322.39 | 245( 18) | 489( 25) | | | | |
| 2358 | 44 | 70.10 | 322.79 | 245( 23) | 489( 11) | 616( 10) | | | |
| 2359 | 15 | 70.10 | 323.19 | 616( 15) | | | | | |
| 2360 | 16 | 70.10 | 323.59 | 532( 11) | 616( 5) | | | | |
| 2361 | 23 | 70.10 | 323.99 | 532( 23) | | | | | |
| 2362 | 4 | 70.10 | 324.39 | 288( 2) | 532( 2) | | | | |
| 2363 | 2 | 70.10 | 324.79 | 776( 2) | | | | | |
| 2364 | 19 | 70.10 | 325.19 | 1032( 19) | | | | | |
| 2366 | 5 | 70.10 | 325.99 | 819( 5) | | | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | |
|---|---|---|---|---|---|---|---|---|
| 2367 | 25 | 70.10 | 326.39 | 618( 7) | 819( 18) | | | |
| 2368 | 25 | 70.10 | 326.79 | 618( 25) | | | | |
| 2369 | 5 | 70.10 | 327.19 | 618( 5) | | | | |
| 2371 | 2 | 70.10 | 327.99 | 257( 1) | 417( 1) | | | |
| 2376 | 4 | 70.10 | 329.99 | 460( 4) | | | | |
| 2385 | 6 | 70.10 | 333.59 | 429( 6) | | | | |
| 2419 | 1 | 70.20 | 307.20 | 791( 1) | | | | |
| 2420 | 9 | 70.20 | 307.60 | 791( 9) | | | | |
| 2422 | 4 | 70.20 | 308.40 | 875( 4) | | | | |
| 2423 | 12 | 70.20 | 308.80 | 430( 2) | 875( 3) | 1176( 1) | 1219( 4) | 1477( 2) |
| 2424 | 7 | 70.20 | 309.20 | 186( 6) | 1219( 1) | | | |
| 2425 | 1 | 70.20 | 309.60 | 430( 1) | | | | |
| 2427 | 8 | 70.20 | 310.40 | 473( 3) | 717( 5) | | | |
| 2428 | 20 | 70.20 | 310.80 | 473( 4) | 717( 16) | | | |
| 2429 | 27 | 70.20 | 311.20 | 229( 3) | 432( 5) | 676( 4) | 877( 12) | 1264( 3) |
| 2430 | 7 | 70.20 | 311.60 | 432( 5) | 676( 2) | | | |
| 2431 | 44 | 70.20 | 312.00 | 272( 16) | 516( 15) | 760( 13) | | |
| 2432 | 14 | 70.20 | 312.40 | 272( 4) | 516( 4) | 760( 6) | | |
| 2433 | 20 | 70.20 | 312.80 | 475( 8) | 719( 12) | | | |
| 2434 | 20 | 70.20 | 313.20 | 231( 9) | 475( 4) | 559( 6) | 719( 1) | |
| 2435 | 27 | 70.20 | 313.60 | 231( 4) | 559( 23) | | | |
| 2436 | 18 | 70.20 | 314.00 | 518( 9) | 559( 4) | 803( 5) | | |
| 2437 | 27 | 70.20 | 314.40 | 274( 6) | 518( 6) | 803( 15) | | |
| 2438 | 8 | 70.20 | 314.80 | 274( 3) | 762( 5) | | | |
| 2440 | 10 | 70.20 | 315.60 | 561( 10) | | | | |
| 2441 | 25 | 70.20 | 316.00 | 561( 1) | 645( 7) | 846( 17) | | |
| 2442 | 68 | 70.20 | 316.40 | 401( 8) | 645( 24) | 805( 12) | 846( 24) | |
| 2443 | 48 | 70.20 | 316.80 | 604( 3) | 645( 11) | 805( 17) | 846( 1) | 889( 16) |
| 2444 | 68 | 70.20 | 317.20 | 604( 15) | 805( 5) | 889( 24) | 1018( 24) | |
| 2445 | 48 | 70.20 | 317.60 | 444( 5) | 604( 8) | 688( 16) | 889( 2) | 1018( 17) |
| 2446 | 69 | 70.20 | 318.00 | 200( 19) | 444( 25) | 688( 25) | | |
| 2447 | 65 | 70.20 | 318.40 | 200( 23) | 444( 11) | 647( 12) | 848( 19) | |
| 2448 | 48 | 70.20 | 318.80 | 647( 25) | 848( 23) | | | |
| 2449 | 38 | 70.20 | 319.20 | 243( 4) | 647( 5) | 891( 24) | 1020( 5) | |
| 2450 | 65 | 70.20 | 319.60 | 243( 23) | 891( 18) | 1020( 24) | | |
| 2451 | 56 | 70.20 | 320.00 | 243( 11) | 446( 12) | 690( 21) | 1020( 12) | |
| 2452 | 45 | 70.20 | 320.40 | 446( 25) | 690( 20) | | | |
| 2453 | 44 | 70.20 | 320.79 | 286( 14) | 446( 5) | 530( 25) | | |
| 2454 | 63 | 70.20 | 321.19 | 286( 24) | 530( 16) | 774( 23) | | |
| 2455 | 55 | 70.20 | 321.59 | 245( 10) | 286( 4) | 489( 22) | 774( 19) | |
| 2456 | 53 | 70.20 | 321.99 | 245( 25) | 489( 17) | 573( 11) | | |
| 2457 | 32 | 70.20 | 322.39 | 245( 7) | 573( 25) | | | |
| 2458 | 11 | 70.20 | 322.79 | 532( 5) | 573( 6) | | | |
| 2459 | 41 | 70.20 | 323.19 | 288( 16) | 532( 25) | | | |
| 2460 | 51 | 70.20 | 323.59 | 532( 11) | 616( 16) | 776( 24) | | |
| 2461 | 20 | 70.20 | 323.99 | 616( 20) | | | | |
| 2462 | 7 | 70.20 | 324.39 | 575( 7) | | | | |
| 2464 | 20 | 70.20 | 325.19 | 659( 20) | | | | |
| 2465 | 52 | 70.20 | 325.59 | 659( 11) | 819( 22) | 1032( 19) | | |
| 2466 | 45 | 70.20 | 325.99 | 618( 24) | 819( 20) | 1032( 1) | | |
| 2467 | 18 | 70.20 | 326.39 | 618( 18) | | | | |
| 2471 | 1 | 70.20 | 327.99 | 173( 1) | | | | |
| 2472 | 1 | 70.20 | 328.39 | 1034( 1) | | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2477 | 6 | 70.20 | 330.39 | 788( 6) | | | | | |
| 2478 | 4 | 70.20 | 330.79 | 503( 4) | | | | | |
| 2479 | 7 | 70.20 | 331.19 | 587( 7) | | | | | |
| 2519 | 2 | 70.30 | 307.20 | 791( 2) | | | | | |
| 2525 | 4 | 70.30 | 309.60 | 430( 2) | 875( 2) | | | | |
| 2526 | 11 | 70.30 | 310.00 | 877( 8) | 1219( 3) | | | | |
| 2528 | 26 | 70.30 | 310.80 | 432( 4) | 676( 18) | 717( 2) | 1264( 2) | | |
| 2529 | 10 | 70.30 | 311.20 | 432( 6) | 717( 2) | 1264( 2) | | | |
| 2530 | 4 | 70.30 | 311.60 | 229( 4) | | | | | |
| 2531 | 8 | 70.30 | 312.00 | 229( 5) | 719( 3) | | | | |
| 2532 | 17 | 70.30 | 312.40 | 231( 16) | 475( 1) | | | | |
| 2533 | 40 | 70.30 | 312.80 | 231( 7) | 272( 13) | 516( 12) | 760( 8) | | |
| 2534 | 35 | 70.30 | 313.20 | 272( 17) | 516( 5) | 518( 2) | 760( 11) | | |
| 2535 | 11 | 70.30 | 313.60 | 274( 7) | 518( 4) | | | | |
| 2536 | 12 | 70.30 | 314.00 | 518( 1) | 559( 1) | 762( 10) | | | |
| 2537 | 5 | 70.30 | 314.40 | 559( 5) | | | | | |
| 2538 | 15 | 70.30 | 314.80 | 561( 11) | 803( 4) | | | | |
| 2539 | 24 | 70.30 | 315.20 | 561( 2) | 803( 22) | | | | |
| 2540 | 6 | 70.30 | 315.60 | 561( 1) | 805( 5) | | | | |
| 2541 | 24 | 70.30 | 316.00 | 805( 24) | | | | | |
| 2542 | 13 | 70.30 | 316.40 | 805( 13) | | | | | |
| 2543 | 38 | 70.30 | 316.80 | 645( 14) | 846( 24) | | | | |
| 2544 | 42 | 70.30 | 317.20 | 645( 23) | 846( 19) | | | | |
| 2545 | 52 | 70.30 | 317.60 | 645( 3) | 647( 6) | 848( 12) | 889( 23) | 1018( 8) | |
| 2546 | 83 | 70.30 | 318.00 | 647( 24) | 848( 25) | 889( 19) | 1018( 15) | | |
| 2547 | 84 | 70.30 | 318.40 | 200( 1) | 444( 13) | 647( 13) | 688( 25) | 848( 6) | 891( 16) |
| | | | | 1018( 10) | | | | | |
| 2548 | 96 | 70.30 | 318.80 | 200( 25) | 444( 10) | 688( 18) | 891( 22) | 1020( 21) | |
| 2549 | 62 | 70.30 | 319.20 | 200( 15) | 444( 5) | 446( 6) | 690( 15) | 891( 1) | 1020( 20) |
| 2550 | 46 | 70.30 | 319.60 | 446( 22) | 690( 24) | | | | |
| 2551 | 28 | 70.30 | 320.00 | 243( 11) | 446( 13) | 690( 4) | | | |
| 2552 | 25 | 70.30 | 320.40 | 243( 25) | | | | | |
| 2553 | 25 | 70.30 | 320.79 | 243( 7) | 245( 4) | 489( 14) | | | |
| 2554 | 59 | 70.30 | 321.19 | 245( 25) | 489( 25) | 530( 9) | | | |
| 2555 | 68 | 70.30 | 321.59 | 245( 14) | 286( 21) | 489( 3) | 530( 24) | 774( 6) | |
| 2556 | 56 | 70.30 | 321.99 | 286( 21) | 530( 10) | 774( 25) | | | |
| 2557 | 46 | 70.30 | 322.39 | 288( 13) | 532( 21) | 774( 12) | | | |
| 2558 | 79 | 70.30 | 322.79 | 288( 25) | 532( 20) | 573( 16) | 776( 18) | | |
| 2559 | 54 | 70.30 | 323.19 | 288( 5) | 573( 25) | 776( 24) | | | |
| 2560 | 1 | 70.30 | 323.59 | 776( 1) | | | | | |
| 2561 | 4 | 70.30 | 323.99 | 575( 1) | 616( 3) | | | | |
| 2562 | 24 | 70.30 | 324.39 | 616( 24) | | | | | |
| 2563 | 28 | 70.30 | 324.79 | 616( 13) | 819( 15) | | | | |
| 2564 | 42 | 70.30 | 325.19 | 618( 18) | 819( 24) | | | | |
| 2565 | 40 | 70.30 | 325.59 | 618( 25) | 659( 12) | 819( 3) | | | |
| 2566 | 32 | 70.30 | 325.99 | 659( 24) | 1032( 8) | | | | |
| 2567 | 11 | 70.30 | 326.39 | 659( 6) | 1032( 5) | | | | |
| 2568 | 18 | 70.30 | 326.79 | 417( 18) | | | | | |
| 2569 | 27 | 70.30 | 327.19 | 173( 8) | 417( 13) | 1034( 6) | | | |
| 2572 | 10 | 70.30 | 328.39 | 460( 10) | | | | | |
| 2576 | 1 | 70.30 | 329.99 | 503( 1) | | | | | |
| 2578 | 5 | 70.30 | 330.79 | 788( 5) | | | | | |
| 2617 | 4 | 70.40 | 306.40 | 791( 4) | | | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2626 | 19 | 70.40 | 310.00 | 432( 11) | 1264( 8) | | | | |
| 2627 | 8 | 70.40 | 310.40 | 186( 5) | 432( 1) | 1219( 2) | | | |
| 2628 | 12 | 70.40 | 310.80 | 186( 3) | 430( 8) | 1219( 1) | | | |
| 2629 | 13 | 70.40 | 311.20 | 719( 13) | | | | | |
| 2630 | 22 | 70.40 | 311.60 | 231( 1) | 475( 10) | 719( 11) | | | |
| 2631 | 16 | 70.40 | 312.00 | 229( 6) | 231( 6) | 473( 2) | 717( 2) | | |
| 2632 | 21 | 70.40 | 312.40 | 229( 5) | 473( 11) | 717( 5) | | | |
| 2633 | 27 | 70.40 | 312.80 | 274( 12) | 518( 15) | | | | |
| 2634 | 48 | 70.40 | 313.20 | 272( 5) | 274( 24) | 516( 2) | 518( 14) | 760( 3) | |
| 2635 | 51 | 70.40 | 313.60 | 272( 19) | 274( 7) | 516( 13) | 760( 12) | | |
| 2637 | 21 | 70.40 | 314.40 | 559( 3) | 561( 18) | | | | |
| 2638 | 33 | 70.40 | 314.80 | 559( 21) | 561( 12) | | | | |
| 2639 | 33 | 70.40 | 315.20 | 559( 14) | 805( 19) | | | | |
| 2640 | 25 | 70.40 | 315.60 | 803( 5) | 805( 20) | | | | |
| 2641 | 20 | 70.40 | 316.00 | 604( 10) | 803( 10) | | | | |
| 2643 | 8 | 70.40 | 316.80 | 647( 1) | 848( 7) | | | | |
| 2644 | 53 | 70.40 | 317.20 | 647( 24) | 846( 5) | 848( 24) | | | |
| 2645 | 95 | 70.40 | 317.60 | 401( 7) | 645( 21) | 647( 19) | 846( 25) | 848( 12) | 891( 11) |
| 2646 | 89 | 70.40 | 318.00 | 401( 5) | 645( 23) | 846( 14) | 889( 6) | 891( 23) | 1020( 18) |
| 2647 | 76 | 70.40 | 318.40 | 446( 1) | 690( 10) | 889( 24) | 891( 8) | 1018( 14) | 1020( 19) |
| 2648 | 93 | 70.40 | 318.80 | 446( 24) | 688( 6) | 690( 24) | 889( 14) | 1018( 25) | |
| 2649 | 86 | 70.40 | 319.20 | 200( 8) | 444( 20) | 446( 19) | 688( 24) | 690( 10) | 1018( 5) |
| 2650 | 62 | 70.40 | 319.60 | 200( 24) | 444( 24) | 688( 14) | | | |
| 2651 | 19 | 70.40 | 320.00 | 200( 12) | 489( 7) | | | | |
| 2652 | 26 | 70.40 | 320.40 | 245( 1) | 489( 25) | | | | |
| 2653 | 38 | 70.40 | 320.79 | 243( 11) | 245( 21) | 489( 6) | | | |
| 2654 | 23 | 70.40 | 321.19 | 243( 23) | | | | | |
| 2655 | 28 | 70.40 | 321.59 | 243( 2) | 288( 8) | 532( 18) | | | |
| 2656 | 78 | 70.40 | 321.99 | 286( 4) | 288( 24) | 530( 15) | 532( 22) | 776( 13) | |
| 2657 | 97 | 70.40 | 322.39 | 286( 24) | 288( 12) | 530( 24) | 532( 1) | 774( 12) | 776( 24) |
| 2658 | 57 | 70.40 | 322.79 | 286( 16) | 530( 5) | 575( 4) | 774( 25) | 776( 7) | |
| 2659 | 16 | 70.40 | 323.19 | 575( 10) | 774( 6) | | | | |
| 2660 | 24 | 70.40 | 323.59 | 573( 24) | | | | | |
| 2661 | 27 | 70.40 | 323.99 | 573( 20) | 819( 7) | | | | |
| 2662 | 37 | 70.40 | 324.39 | 618( 13) | 819( 24) | | | | |
| 2663 | 43 | 70.40 | 324.79 | 616( 9) | 618( 24) | 819( 10) | | | |
| 2664 | 24 | 70.40 | 325.19 | 616( 17) | 618( 7) | | | | |
| 2665 | 10 | 70.40 | 325.59 | 616( 10) | | | | | |
| 2666 | 13 | 70.40 | 325.99 | 417( 13) | | | | | |
| 2667 | 48 | 70.40 | 326.39 | 173( 8) | 417( 24) | 659( 16) | | | |
| 2668 | 13 | 70.40 | 326.79 | 173( 1) | 417( 7) | 1034( 5) | | | |
| 2669 | 1 | 70.40 | 327.19 | 1032( 1) | | | | | |
| 2670 | 1 | 70.40 | 327.59 | 460( 1) | | | | | |
| 2671 | 2 | 70.40 | 327.99 | 460( 2) | | | | | |
| 2675 | 2 | 70.40 | 329.59 | 259( 2) | | | | | |
| 2676 | 5 | 70.40 | 329.99 | 501( 5) | | | | | |
| 2685 | 1 | 70.40 | 333.59 | 632( 1) | | | | | |
| 2724 | 18 | 70.50 | 309.20 | 432( 8) | 1221( 6) | 1264( 4) | | | |
| 2725 | 2 | 70.50 | 309.60 | 432( 1) | 1264( 1) | | | | |
| 2727 | 7 | 70.50 | 310.40 | 475( 4) | 719( 3) | | | | |
| 2728 | 19 | 70.50 | 310.80 | 231( 10) | 430( 2) | 475( 3) | 719( 2) | 875( 2) | |
| 2729 | 58 | 70.50 | 311.20 | 186( 9) | 231( 5) | 430( 24) | 475( 3) | 875( 10) | 1219( 7) |
| 2730 | 26 | 70.50 | 311.60 | 186( 7) | 430( 19) | | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | |
|---|---|---|---|---|---|---|---|---|
| 2731 | 15 | 70.50 | 312.00 | 186( 3) | 274( 8) | 518( 4) | | |
| 2732 | 30 | 70.50 | 312.40 | 473( 12) | 717( 18) | | | |
| 2733 | 16 | 70.50 | 312.80 | 229( 3) | 274( 4) | 717( 9) | | |
| 2734 | 3 | 70.50 | 313.20 | 229( 3) | | | | |
| 2735 | 2 | 70.50 | 313.60 | 561( 2) | | | | |
| 2736 | 3 | 70.50 | 314.00 | 272( 2) | 561( 1) | | | |
| 2737 | 30 | 70.50 | 314.40 | 272( 3) | 516( 7) | 760( 4) | 805( 16) | |
| 2738 | 22 | 70.50 | 314.80 | 604( 8) | 805( 14) | | | |
| 2739 | 15 | 70.50 | 315.20 | 559( 7) | 604( 8) | | | |
| 2740 | 28 | 70.50 | 315.60 | 559( 20) | 604( 8) | | | |
| 2741 | 15 | 70.50 | 316.00 | 559( 12) | 848( 3) | | | |
| 2742 | 62 | 70.50 | 316.40 | 647( 22) | 803( 16) | 848( 24) | | |
| 2743 | 56 | 70.50 | 316.80 | 647( 23) | 803( 6) | 848( 18) | 891( 9) | |
| 2744 | 38 | 70.50 | 317.20 | 891( 24) | 1020( 14) | | | |
| 2745 | 45 | 70.50 | 317.60 | 690( 7) | 891( 13) | 1020( 25) | | |
| 2746 | 58 | 70.50 | 318.00 | 446( 17) | 645( 1) | 690( 24) | 846( 10) | 1020( 6) |
| 2747 | 86 | 70.50 | 318.40 | 446( 23) | 645( 25) | 690( 14) | 846( 24) | |
| 2748 | 58 | 70.50 | 318.80 | 401( 23) | 645( 14) | 846( 11) | 889( 10) | |
| 2749 | 57 | 70.50 | 319.20 | 401( 6) | 489( 7) | 889( 25) | 1018( 19) | |
| 2750 | 62 | 70.50 | 319.60 | 489( 16) | 688( 11) | 889( 11) | 1018( 24) | |
| 2751 | 73 | 70.50 | 320.00 | 200( 12) | 444( 23) | 489( 15) | 688( 21) | 1018( 2) |
| 2752 | 35 | 70.50 | 320.40 | 200( 25) | 688( 10) | | | |
| 2753 | 28 | 70.50 | 320.79 | 200( 8) | 288( 5) | 532( 15) | | |
| 2754 | 58 | 70.50 | 321.19 | 288( 24) | 532( 24) | 776( 10) | | |
| 2755 | 68 | 70.50 | 321.59 | 243( 22) | 288( 16) | 532( 6) | 776( 24) | |
| 2756 | 34 | 70.50 | 321.99 | 243( 23) | 776( 11) | | | |
| 2757 | 24 | 70.50 | 322.39 | 575( 24) | | | | |
| 2758 | 48 | 70.50 | 322.79 | 286( 8) | 530( 19) | 575( 21) | | |
| 2759 | 74 | 70.50 | 323.19 | 286( 25) | 530( 25) | 774( 18) | 819( 6) | |
| 2760 | 73 | 70.50 | 323.59 | 286( 13) | 530( 1) | 618( 10) | 774( 24) | 819( 25) |
| 2761 | 45 | 70.50 | 323.99 | 573( 5) | 618( 24) | 774( 2) | 819( 14) | |
| 2762 | 33 | 70.50 | 324.39 | 573( 22) | 618( 11) | | | |
| 2763 | 16 | 70.50 | 324.79 | 573( 16) | | | | |
| 2764 | 10 | 70.50 | 325.19 | 417( 10) | | | | |
| 2765 | 74 | 70.50 | 325.59 | 173( 21) | 417( 24) | 616( 14) | 1034( 15) | |
| 2766 | 49 | 70.50 | 325.99 | 173( 17) | 417( 11) | 616( 19) | 1034( 2) | |
| 2768 | 6 | 70.50 | 326.79 | 460( 6) | | | | |
| 2770 | 4 | 70.50 | 327.59 | 659( 4) | | | | |
| 2771 | 1 | 70.50 | 327.99 | 1032( 1) | | | | |
| 2773 | 3 | 70.50 | 328.79 | 503( 3) | | | | |
| 2776 | 1 | 70.50 | 329.99 | 501( 1) | | | | |
| 2777 | 4 | 70.50 | 330.39 | 790( 4) | | | | |
| 2781 | 3 | 70.50 | 331.99 | 544( 3) | | | | |
| 2782 | 1 | 70.50 | 332.39 | 788( 1) | | | | |
| 2791 | 2 | 70.50 | 335.99 | 1476( 2) | | | | |
| 2823 | 3 | 70.60 | 308.80 | 432( 2) | 1264( 1) | | | |
| 2826 | 2 | 70.60 | 310.00 | 631( 2) | | | | |
| 2827 | 16 | 70.60 | 310.40 | 631( 8) | 719( 4) | 832( 4) | | |
| 2829 | 7 | 70.60 | 311.20 | 274( 3) | 518( 2) | 875( 2) | | |
| 2830 | 8 | 70.60 | 311.60 | 430( 5) | 875( 3) | | | |
| 2831 | 42 | 70.60 | 312.00 | 186( 13) | 274( 6) | 430( 21) | 762( 2) | |
| 2832 | 21 | 70.60 | 312.40 | 186( 20) | 430( 1) | | | |
| 2833 | 23 | 70.60 | 312.80 | 186( 5) | 561( 18) | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2834 | 25 | 70.60 | 313.20 | 473( 8) | 561( 11) | 717( 6) | | | |
| 2835 | 28 | 70.60 | 313.60 | 229( 10) | 473( 4) | 717( 13) | 805( 1) | | |
| 2836 | 3 | 70.60 | 314.00 | 229( 3) | | | | | |
| 2837 | 10 | 70.60 | 314.40 | 604( 10) | | | | | |
| 2838 | 52 | 70.60 | 314.80 | 272( 9) | 516( 24) | 604( 11) | 760( 8) | | |
| 2839 | 56 | 70.60 | 315.20 | 272( 24) | 516( 10) | 760( 22) | | | |
| 2840 | 45 | 70.60 | 315.60 | 272( 10) | 647( 9) | 760( 12) | 848( 14) | | |
| 2841 | 57 | 70.60 | 316.00 | 559( 10) | 647( 24) | 848( 21) | 891( 2) | | |
| 2842 | 59 | 70.60 | 316.40 | 559( 24) | 647( 2) | 891( 20) | 1020( 13) | | |
| 2843 | 58 | 70.60 | 316.80 | 559( 13) | 690( 6) | 803( 8) | 891( 15) | 1020( 16) | |
| 2844 | 68 | 70.60 | 317.20 | 446( 21) | 690( 24) | 803( 13) | 1020( 10) | | |
| 2845 | 54 | 70.60 | 317.60 | 446( 24) | 690( 17) | 803( 13) | | | |
| 2846 | 2 | 70.60 | 318.00 | 446( 2) | | | | | |
| 2847 | 4 | 70.60 | 318.40 | 489( 4) | | | | | |
| 2848 | 42 | 70.60 | 318.80 | 489( 24) | 645( 5) | 846( 13) | | | |
| 2849 | 83 | 70.60 | 319.20 | 401( 18) | 489( 17) | 645( 24) | 846( 24) | | |
| 2850 | 64 | 70.60 | 319.60 | 401( 24) | 645( 18) | 846( 9) | 889( 13) | | |
| 2851 | 69 | 70.60 | 320.00 | 288( 4) | 401( 5) | 532( 14) | 889( 24) | 1018( 22) | |
| 2852 | 103 | 70.60 | 320.40 | 288( 24) | 532( 24) | 688( 14) | 776( 8) | 889( 9) | 1018( 24) |
| 2853 | 93 | 70.60 | 320.79 | 200( 16) | 288( 19) | 532( 9) | 688( 24) | 776( 24) | 1018( 1) |
| 2854 | 55 | 70.60 | 321.19 | 200( 24) | 444( 8) | 688( 9) | 776( 14) | | |
| 2855 | 29 | 70.60 | 321.59 | 200( 7) | 575( 22) | | | | |
| 2856 | 24 | 70.60 | 321.99 | 575( 24) | | | | | |
| 2857 | 6 | 70.60 | 322.39 | 819( 6) | | | | | |
| 2858 | 32 | 70.60 | 322.79 | 618( 9) | 819( 23) | | | | |
| 2859 | 42 | 70.60 | 323.19 | 618( 24) | 819( 18) | | | | |
| 2860 | 48 | 70.60 | 323.59 | 286( 11) | 530( 23) | 618( 14) | | | |
| 2861 | 59 | 70.60 | 323.99 | 286( 24) | 530( 23) | 774( 12) | | | |
| 2862 | 43 | 70.60 | 324.39 | 286( 11) | 417( 7) | 530( 1) | 774( 24) | | |
| 2863 | 64 | 70.60 | 324.79 | 173( 20) | 417( 24) | 573( 5) | 774( 2) | 1034( 13) | |
| 2864 | 62 | 70.60 | 325.19 | 173( 24) | 417( 14) | 1034( 24) | | | |
| 2865 | 12 | 70.60 | 325.59 | 173( 3) | 1034( 9) | | | | |
| 2871 | 1 | 70.60 | 327.99 | 259( 1) | | | | | |
| 2872 | 2 | 70.60 | 328.39 | 659( 2) | | | | | |
| 2873 | 6 | 70.60 | 328.79 | 1032( 6) | | | | | |
| 2883 | 9 | 70.60 | 332.79 | 544( 5) | 788( 4) | | | | |
| 2926 | 1 | 70.70 | 310.00 | 588( 1) | | | | | |
| 2927 | 12 | 70.70 | 310.40 | 274( 4) | 518( 7) | 588( 1) | | | |
| 2928 | 10 | 70.70 | 310.80 | 274( 4) | 631( 4) | 832( 2) | | | |
| 2929 | 18 | 70.70 | 311.20 | 274( 2) | 631( 12) | 832( 4) | | | |
| 2930 | 3 | 70.70 | 311.60 | 561( 2) | 832( 1) | | | | |
| 2931 | 11 | 70.70 | 312.00 | 561( 9) | 875( 2) | | | | |
| 2933 | 14 | 70.70 | 312.80 | 186( 4) | 430( 1) | 875( 9) | | | |
| 2934 | 8 | 70.70 | 313.20 | 186( 3) | 430( 3) | 805( 2) | | | |
| 2936 | 16 | 70.70 | 314.00 | 229( 2) | 473( 6) | 717( 8) | | | |
| 2937 | 28 | 70.70 | 314.40 | 229( 23) | 717( 3) | 848( 2) | | | |
| 2938 | 33 | 70.70 | 314.80 | 647( 16) | 848( 17) | | | | |
| 2939 | 16 | 70.70 | 315.20 | 516( 1) | 647( 6) | 848( 1) | 891( 8) | | |
| 2940 | 84 | 70.70 | 315.60 | 272( 14) | 516( 24) | 760( 12) | 891( 23) | 1020( 11) | |
| 2941 | 92 | 70.70 | 316.00 | 272( 24) | 516( 22) | 690( 6) | 760( 20) | 891( 17) | 1020( 3) |
| 2942 | 73 | 70.70 | 316.40 | 272( 10) | 446( 21) | 690( 24) | 760( 12) | 1020( 6) | |
| 2943 | 51 | 70.70 | 316.80 | 446( 24) | 559( 9) | 690( 18) | | | |
| 2944 | 26 | 70.70 | 317.20 | 446( 3) | 559( 23) | | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2945 | 23 | 70.70 | 317.60 | 489( 6) | 559( 13) | 803( 4) | | | |
| 2946 | 44 | 70.70 | 318.00 | 489( 23) | 803( 21) | | | | |
| 2947 | 24 | 70.70 | 318.40 | 489( 17) | 803( 7) | | | | |
| 2949 | 18 | 70.70 | 319.20 | 288( 4) | 532( 14) | | | | |
| 2950 | 74 | 70.70 | 319.60 | 288( 22) | 532( 24) | 645( 5) | 776( 8) | 846( 15) | |
| 2951 | 118 | 70.70 | 320.00 | 288( 20) | 401( 18) | 532( 10) | 645( 23) | 776( 24) | 846( 23) |
| 2952 | 79 | 70.70 | 320.40 | 401( 20) | 645( 19) | 776( 16) | 846( 10) | 889( 14) | |
| 2953 | 77 | 70.70 | 320.79 | 401( 6) | 575( 24) | 889( 24) | 1018( 23) | | |
| 2954 | 73 | 70.70 | 321.19 | 444( 2) | 575( 24) | 688( 14) | 889( 10) | 1018( 23) | |
| 2955 | 73 | 70.70 | 321.59 | 200( 16) | 444( 24) | 575( 1) | 688( 24) | 819( 6) | 1018( 2) |
| 2956 | 87 | 70.70 | 321.99 | 200( 24) | 444( 20) | 618( 9) | 688( 10) | 819( 24) | |
| 2957 | 47 | 70.70 | 322.39 | 200( 7) | 618( 22) | 819( 18) | | | |
| 2958 | 15 | 70.70 | 322.79 | 618( 15) | | | | | |
| 2959 | 4 | 70.70 | 323.19 | 243( 4) | | | | | |
| 2960 | 9 | 70.70 | 323.59 | 417( 9) | | | | | |
| 2961 | 57 | 70.70 | 323.99 | 173( 20) | 417( 24) | 1034( 13) | | | |
| 2962 | 99 | 70.70 | 324.39 | 173( 24) | 286( 13) | 417( 15) | 530( 23) | 1034( 24) | |
| 2963 | 73 | 70.70 | 324.79 | 173( 4) | 286( 23) | 530( 24) | 774( 11) | 1034( 11) | |
| 2964 | 53 | 70.70 | 325.19 | 286( 10) | 460( 18) | 530( 1) | 774( 24) | | |
| 2965 | 9 | 70.70 | 325.59 | 460( 3) | 573( 3) | 774( 3) | | | |
| 2968 | 2 | 70.70 | 326.79 | 259( 2) | | | | | |
| 2972 | 1 | 70.70 | 328.39 | 546( 1) | | | | | |
| 2974 | 6 | 70.70 | 329.19 | 659( 3) | 1032( 3) | | | | |
| 2984 | 3 | 70.70 | 333.19 | 187( 3) | | | | | |
| 2985 | 3 | 70.70 | 333.59 | 187( 2) | 788( 1) | | | | |
| 2986 | 6 | 70.70 | 333.99 | 718( 6) | | | | | |
| 3026 | 6 | 70.80 | 310.00 | 274( 2) | 518( 4) | | | | |
| 3027 | 22 | 70.80 | 310.40 | 588( 22) | | | | | |
| 3028 | 18 | 70.80 | 310.80 | 588( 18) | | | | | |
| 3029 | 3 | 70.80 | 311.20 | 561( 3) | | | | | |
| 3030 | 27 | 70.80 | 311.60 | 561( 14) | 631( 3) | 832( 10) | | | |
| 3031 | 15 | 70.80 | 312.00 | 631( 13) | 832( 2) | | | | |
| 3032 | 10 | 70.80 | 312.40 | 631( 1) | 805( 5) | 832( 4) | | | |
| 3033 | 4 | 70.80 | 312.80 | 875( 4) | | | | | |
| 3034 | 5 | 70.80 | 313.20 | 430( 5) | | | | | |
| 3035 | 29 | 70.80 | 313.60 | 186( 4) | 430( 20) | 647( 1) | 848( 4) | | |
| 3036 | 52 | 70.80 | 314.00 | 186( 20) | 430( 16) | 647( 13) | 848( 3) | | |
| 3037 | 13 | 70.80 | 314.40 | 186( 8) | 848( 3) | 891( 2) | | | |
| 3038 | 39 | 70.80 | 314.80 | 473( 6) | 647( 2) | 717( 8) | 891( 7) | 1020( 16) | |
| 3039 | 63 | 70.80 | 315.20 | 229( 2) | 473( 23) | 690( 8) | 717( 24) | 891( 6) | |
| 3040 | 39 | 70.80 | 315.60 | 229( 4) | 446( 19) | 473( 11) | 717( 3) | 1020( 2) | |
| 3041 | 36 | 70.80 | 316.00 | 446( 23) | 516( 1) | 690( 12) | | | |
| 3042 | 50 | 70.80 | 316.40 | 272( 13) | 446( 3) | 516( 23) | 760( 11) | | |
| 3043 | 80 | 70.80 | 316.80 | 272( 24) | 489( 9) | 516( 23) | 760( 24) | | |
| 3044 | 53 | 70.80 | 317.20 | 272( 13) | 489( 23) | 516( 2) | 760( 15) | | |
| 3045 | 28 | 70.80 | 317.60 | 489( 18) | 559( 10) | | | | |
| 3046 | 21 | 70.80 | 318.00 | 559( 21) | | | | | |
| 3047 | 40 | 70.80 | 318.40 | 288( 7) | 532( 17) | 559( 16) | | | |
| 3048 | 59 | 70.80 | 318.80 | 288( 24) | 532( 24) | 776( 11) | | | |
| 3049 | 52 | 70.80 | 319.20 | 288( 19) | 532( 9) | 776( 24) | | | |
| 3050 | 17 | 70.80 | 319.60 | 575( 2) | 776( 15) | | | | |
| 3051 | 22 | 70.80 | 320.00 | 575( 22) | | | | | |
| 3052 | 40 | 70.80 | 320.40 | 575( 21) | 645( 5) | 846( 14) | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3053 | 72 | 70.80 | 320.79 | 401( 18) | 645( 23) | 819( 8) | 846( 23) | | |
| 3054 | 107 | 70.80 | 321.19 | 401( 23) | 618( 12) | 645( 21) | 819( 24) | 846( 13) | 889( 14) |
| 3055 | 95 | 70.80 | 321.59 | 401( 9) | 618( 24) | 819( 17) | 889( 23) | 1018( 22) | |
| 3056 | 67 | 70.80 | 321.99 | 444( 3) | 618( 14) | 688( 14) | 889( 13) | 1018( 23) | |
| 3057 | 66 | 70.80 | 322.39 | 200( 15) | 444( 24) | 688( 23) | 1018( 4) | | |
| 3058 | 70 | 70.80 | 322.79 | 200( 23) | 417( 12) | 444( 23) | 688( 12) | | |
| 3059 | 74 | 70.80 | 323.19 | 173( 23) | 200( 11) | 417( 24) | 1034( 16) | | |
| 3060 | 61 | 70.80 | 323.59 | 173( 24) | 417( 14) | 1034( 23) | | | |
| 3061 | 17 | 70.80 | 323.99 | 173( 3) | 243( 3) | 1034( 11) | | | |
| 3062 | 21 | 70.80 | 324.39 | 460( 21) | | | | | |
| 3063 | 24 | 70.80 | 324.79 | 460( 24) | | | | | |
| 3064 | 23 | 70.80 | 325.19 | 286( 12) | 460( 5) | 530( 6) | | | |
| 3065 | 30 | 70.80 | 325.59 | 286( 10) | 774( 20) | | | | |
| 3066 | 27 | 70.80 | 325.99 | 259( 3) | 774( 24) | | | | |
| 3067 | 6 | 70.80 | 326.39 | 774( 6) | | | | | |
| 3068 | 5 | 70.80 | 326.79 | 573( 5) | | | | | |
| 3071 | 10 | 70.80 | 327.99 | 790( 10) | | | | | |
| 3077 | 12 | 70.80 | 330.39 | 632( 12) | | | | | |
| 3085 | 1 | 70.80 | 333.59 | 718( 1) | | | | | |
| 3086 | 2 | 70.80 | 333.99 | 718( 2) | | | | | |
| 3093 | 1 | 70.80 | 336.79 | 630( 1) | | | | | |
| 3095 | 2 | 70.80 | 337.59 | 603( 2) | | | | | |
| 3112 | 1 | 70.90 | 304.40 | 617( 1) | | | | | |
| 3124 | 1 | 70.90 | 309.20 | 258( 1) | | | | | |
| 3126 | 8 | 70.90 | 310.00 | 561( 8) | | | | | |
| 3128 | 8 | 70.90 | 310.80 | 561( 7) | 805( 1) | | | | |
| 3130 | 18 | 70.90 | 311.60 | 588( 17) | 805( 1) | | | | |
| 3132 | 13 | 70.90 | 312.40 | 631( 1) | 832( 12) | | | | |
| 3133 | 29 | 70.90 | 312.80 | 631( 10) | 647( 6) | 832( 1) | 848( 12) | | |
| 3134 | 20 | 70.90 | 313.20 | 631( 8) | 647( 5) | 832( 1) | 848( 6) | | |
| 3135 | 37 | 70.90 | 313.60 | 631( 1) | 647( 13) | 848( 8) | 875( 9) | 891( 6) | |
| 3136 | 41 | 70.90 | 314.00 | 430( 2) | 875( 24) | 891( 4) | 1020( 11) | | |
| 3137 | 82 | 70.90 | 314.40 | 186( 15) | 430( 21) | 446( 1) | 690( 15) | 875( 17) | 891( 13) |
| 3138 | 68 | 70.90 | 314.80 | 186( 20) | 430( 24) | 690( 21) | 1020( 3) | | |
| 3139 | 48 | 70.90 | 315.20 | 186( 14) | 430( 3) | 446( 17) | 690( 14) | | |
| 3140 | 12 | 70.90 | 315.60 | 473( 12) | | | | | |
| 3141 | 52 | 70.90 | 316.00 | 229( 24) | 473( 11) | 489( 14) | 717( 3) | | |
| 3142 | 69 | 70.90 | 316.40 | 229( 23) | 473( 17) | 489( 19) | 717( 10) | | |
| 3143 | 20 | 70.90 | 316.80 | 229( 5) | 489( 15) | | | | |
| 3144 | 40 | 70.90 | 317.20 | 272( 10) | 516( 22) | 760( 8) | | | |
| 3145 | 95 | 70.90 | 317.60 | 272( 19) | 288( 13) | 516( 17) | 532( 23) | 760( 23) | |
| 3146 | 63 | 70.90 | 318.00 | 288( 23) | 532( 23) | 776( 17) | | | |
| 3147 | 52 | 70.90 | 318.40 | 288( 16) | 532( 6) | 559( 7) | 776( 23) | | |
| 3148 | 44 | 70.90 | 318.80 | 559( 24) | 575( 8) | 776( 12) | | | |
| 3149 | 43 | 70.90 | 319.20 | 559( 20) | 575( 23) | | | | |
| 3150 | 28 | 70.90 | 319.60 | 575( 21) | 803( 7) | | | | |
| 3151 | 17 | 70.90 | 320.00 | 803( 3) | 819( 14) | | | | |
| 3152 | 40 | 70.90 | 320.40 | 618( 17) | 819( 23) | | | | |
| 3153 | 38 | 70.90 | 320.79 | 618( 23) | 819( 15) | | | | |
| 3154 | 24 | 70.90 | 321.19 | 618( 11) | 645( 2) | 846( 11) | | | |
| 3155 | 51 | 70.90 | 321.59 | 401( 5) | 645( 23) | 846( 23) | | | |
| 3156 | 72 | 70.90 | 321.99 | 173( 5) | 417( 17) | 645( 23) | 846( 17) | 889( 10) | |
| 3157 | 108 | 70.90 | 322.39 | 173( 23) | 417( 24) | 645( 3) | 889( 20) | 1018( 17) | 1034( 21) |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3158 | 111 | 70.90 | 322.79 | 173( 24) | 417( 11) | 688( 11) | 889( 18) | 1018( 23) | 1034( 24) |
| 3159 | 79 | 70.90 | 323.19 | 200( 12) | 444( 24) | 460( 3) | 688( 24) | 1018( 9) | 1034( 7) |
| 3160 | 77 | 70.90 | 323.59 | 200( 24) | 444( 15) | 460( 21) | 688( 17) | | |
| 3161 | 40 | 70.90 | 323.99 | 200( 16) | 460( 24) | | | | |
| 3162 | 2 | 70.90 | 324.39 | 460( 2) | | | | | |
| 3163 | 12 | 70.90 | 324.79 | 243( 11) | 259( 1) | | | | |
| 3164 | 3 | 70.90 | 325.19 | 259( 2) | 503( 1) | | | | |
| 3165 | 4 | 70.90 | 325.59 | 503( 4) | | | | | |
| 3166 | 4 | 70.90 | 325.99 | 530( 4) | | | | | |
| 3167 | 21 | 70.90 | 326.39 | 286( 2) | 546( 2) | 774( 17) | | | |
| 3168 | 14 | 70.90 | 326.79 | 774( 13) | 790( 1) | | | | |
| 3169 | 8 | 70.90 | 327.19 | 790( 8) | | | | | |
| 3170 | 19 | 70.90 | 327.59 | 573( 8) | 790( 11) | | | | |
| 3171 | 2 | 70.90 | 327.99 | 790( 2) | | | | | |
| 3174 | 1 | 70.90 | 329.19 | 833( 1) | | | | | |
| 3178 | 7 | 70.90 | 330.79 | 431( 5) | 876( 2) | | | | |
| 3193 | 3 | 70.90 | 336.79 | 587( 3) | | | | | |
| 3194 | 8 | 70.90 | 337.19 | 603( 8) | | | | | |
| 3195 | 3 | 70.90 | 337.59 | 603( 3) | | | | | |
| 3213 | 1 | 71.00 | 304.80 | 617( 1) | | | | | |
| 3224 | 14 | 71.00 | 309.20 | 561( 14) | | | | | |
| 3225 | 8 | 71.00 | 309.60 | 258( 7) | 561( 1) | | | | |
| 3226 | 15 | 71.00 | 310.00 | 258( 3) | 805( 12) | | | | |
| 3227 | 9 | 71.00 | 310.40 | 805( 9) | | | | | |
| 3228 | 2 | 71.00 | 310.80 | 805( 2) | | | | | |
| 3231 | 12 | 71.00 | 312.00 | 647( 3) | 848( 9) | | | | |
| 3232 | 9 | 71.00 | 312.40 | 588( 9) | | | | | |
| 3233 | 25 | 71.00 | 312.80 | 588( 13) | 647( 10) | 848( 1) | 1020( 1) | | |
| 3234 | 21 | 71.00 | 313.20 | 832( 4) | 891( 4) | 1020( 13) | | | |
| 3235 | 74 | 71.00 | 313.60 | 446( 12) | 631( 17) | 832( 23) | 891( 7) | 1020( 15) | |
| 3236 | 43 | 71.00 | 314.00 | 446( 20) | 631( 17) | 832( 4) | 1020( 2) | | |
| 3237 | 37 | 71.00 | 314.40 | 446( 17) | 631( 9) | 690( 7) | 875( 4) | | |
| 3238 | 23 | 71.00 | 314.80 | 875( 23) | | | | | |
| 3239 | 78 | 71.00 | 315.20 | 186( 10) | 430( 19) | 489( 23) | 674( 9) | 875( 17) | |
| 3240 | 92 | 71.00 | 315.60 | 186( 21) | 430( 23) | 489( 23) | 674( 22) | 875( 3) | |
| 3241 | 43 | 71.00 | 316.00 | 186( 22) | 430( 11) | 489( 9) | 674( 1) | | |
| 3242 | 26 | 71.00 | 316.40 | 473( 6) | 532( 7) | 717( 13) | | | |
| 3243 | 100 | 71.00 | 316.80 | 229( 18) | 288( 17) | 473( 19) | 532( 23) | 717( 21) | 776( 2) |
| 3244 | 127 | 71.00 | 317.20 | 229( 23) | 288( 19) | 473( 23) | 532( 23) | 717( 18) | 776( 21) |
| 3245 | 49 | 71.00 | 317.60 | 229( 13) | 288( 10) | 473( 2) | 532( 1) | 776( 23) | |
| 3246 | 7 | 71.00 | 318.00 | 272( 1) | 776( 6) | | | | |
| 3247 | 68 | 71.00 | 318.40 | 272( 19) | 516( 14) | 575( 16) | 760( 19) | | |
| 3248 | 76 | 71.00 | 318.80 | 272( 23) | 516( 15) | 575( 15) | 760( 23) | | |
| 3249 | 37 | 71.00 | 319.20 | 272( 3) | 559( 3) | 618( 3) | 760( 6) | 819( 22) | |
| 3250 | 68 | 71.00 | 319.60 | 559( 23) | 618( 22) | 819( 23) | | | |
| 3251 | 56 | 71.00 | 320.00 | 559( 23) | 618( 24) | 819( 9) | | | |
| 3252 | 34 | 71.00 | 320.40 | 559( 6) | 618( 6) | 803( 22) | | | |
| 3253 | 25 | 71.00 | 320.79 | 417( 2) | 803( 23) | | | | |
| 3254 | 51 | 71.00 | 321.19 | 173( 14) | 417( 23) | 803( 8) | 1034( 6) | | |
| 3255 | 67 | 71.00 | 321.59 | 173( 23) | 417( 23) | 1034( 21) | | | |
| 3256 | 51 | 71.00 | 321.99 | 173( 18) | 417( 6) | 846( 6) | 1034( 21) | | |
| 3257 | 48 | 71.00 | 322.39 | 460( 4) | 645( 20) | 846( 23) | 1034( 1) | | |
| 3258 | 74 | 71.00 | 322.79 | 460( 23) | 645( 23) | 846( 23) | 889( 5) | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3259 | 70 | 71.00 | 323.19 | 460( 20) | 645( 11) | 846( 2) | 889( 23) | 1018( 14) | |
| 3260 | 52 | 71.00 | 323.59 | 688( 6) | 889( 23) | 1018( 23) | | | |
| 3261 | 62 | 71.00 | 323.99 | 200( 7) | 259( 4) | 503( 9) | 688( 23) | 889( 3) | 1018( 16) |
| 3262 | 39 | 71.00 | 324.39 | 200( 23) | 503( 2) | 688( 14) | | | |
| 3263 | 24 | 71.00 | 324.79 | 200( 23) | 444( 1) | | | | |
| 3264 | 2 | 71.00 | 325.19 | 200( 1) | 546( 1) | | | | |
| 3265 | 1 | 71.00 | 325.59 | 243( 1) | | | | | |
| 3266 | 5 | 71.00 | 325.99 | 243( 5) | | | | | |
| 3267 | 3 | 71.00 | 326.39 | 790( 3) | | | | | |
| 3269 | 15 | 71.00 | 327.19 | 286( 9) | 774( 6) | | | | |
| 3270 | 37 | 71.00 | 327.59 | 286( 18) | 530( 4) | 774( 15) | | | |
| 3271 | 13 | 71.00 | 327.99 | 286( 5) | 774( 6) | 833( 2) | | | |
| 3272 | 4 | 71.00 | 328.39 | 573( 1) | 833( 3) | | | | |
| 3273 | 4 | 71.00 | 328.79 | 573( 4) | | | | | |
| 3277 | 3 | 71.00 | 330.39 | 616( 3) | | | | | |
| 3278 | 2 | 71.00 | 330.79 | 187( 2) | | | | | |
| 3281 | 2 | 71.00 | 331.99 | 659( 2) | | | | | |
| 3282 | 5 | 71.00 | 332.39 | 1032( 5) | | | | | |
| 3290 | 4 | 71.00 | 335.59 | 603( 4) | | | | | |
| 3291 | 8 | 71.00 | 335.99 | 603( 8) | | | | | |
| 3292 | 1 | 71.00 | 336.39 | 788( 1) | | | | | |
| 3293 | 15 | 71.00 | 336.79 | 788( 15) | | | | | |
| 3294 | 7 | 71.00 | 337.19 | 646( 5) | 788( 2) | | | | |
| 3323 | 8 | 71.10 | 308.80 | 459( 8) | | | | | |
| 3324 | 15 | 71.10 | 309.20 | 459( 6) | 805( 9) | | | | |
| 3325 | 3 | 71.10 | 309.60 | 459( 3) | | | | | |
| 3326 | 4 | 71.10 | 310.00 | 805( 4) | | | | | |
| 3327 | 10 | 71.10 | 310.40 | 258( 10) | | | | | |
| 3328 | 2 | 71.10 | 310.80 | 647( 1) | 848( 1) | | | | |
| 3329 | 26 | 71.10 | 311.20 | 258( 4) | 647( 7) | 848( 15) | | | |
| 3330 | 28 | 71.10 | 311.60 | 647( 5) | 848( 23) | | | | |
| 3331 | 17 | 71.10 | 312.00 | 647( 4) | 848( 3) | 891( 10) | | | |
| 3332 | 16 | 71.10 | 312.40 | 891( 13) | 1020( 3) | | | | |
| 3333 | 40 | 71.10 | 312.80 | 446( 21) | 690( 19) | | | | |
| 3334 | 29 | 71.10 | 313.20 | 446( 20) | 588( 6) | 690( 3) | | | |
| 3335 | 30 | 71.10 | 313.60 | 446( 9) | 588( 21) | | | | |
| 3336 | 15 | 71.10 | 314.00 | 489( 10) | 832( 5) | | | | |
| 3337 | 40 | 71.10 | 314.40 | 489( 21) | 631( 3) | 832( 16) | | | |
| 3338 | 48 | 71.10 | 314.80 | 489( 23) | 631( 4) | 832( 21) | | | |
| 3339 | 25 | 71.10 | 315.20 | 631( 20) | 832( 5) | | | | |
| 3340 | 36 | 71.10 | 315.60 | 288( 2) | 532( 14) | 875( 20) | | | |
| 3341 | 89 | 71.10 | 316.00 | 186( 1) 875( 22) | 288( 18) | 430( 12) | 532( 18) | 674( 5) | 776( 13) |
| 3342 | 122 | 71.10 | 316.40 | 186( 22) 875( 13) | 288( 23) | 430( 22) | 532( 15) | 674( 4) | 776( 23) |
| 3343 | 81 | 71.10 | 316.80 | 186( 23) | 288( 3) | 430( 23) | 575( 4) | 674( 9) | 776( 19) |
| 3344 | 33 | 71.10 | 317.20 | 186( 10) | 575( 18) | 717( 5) | | | |
| 3345 | 77 | 71.10 | 317.60 | 229( 10) | 473( 21) | 575( 23) | 717( 23) | | |
| 3346 | 81 | 71.10 | 318.00 | 229( 23) | 473( 23) | 575( 3) | 717( 22) | 819( 10) | |
| 3347 | 79 | 71.10 | 318.40 | 229( 23) | 473( 13) | 618( 13) | 717( 7) | 819( 23) | |
| 3348 | 55 | 71.10 | 318.80 | 229( 1) | 516( 8) | 618( 23) | 819( 23) | | |
| 3349 | 81 | 71.10 | 319.20 | 272( 20) | 516( 23) | 618( 20) | 760( 17) | 819( 1) | |
| 3350 | 68 | 71.10 | 319.60 | 272( 22) | 516( 23) | 760( 23) | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3351 | 51 | 71.10 | 320.00 | 173( 3) | 272( 15) | 417( 14) | 516( 3) | 760( 16) | |
| 3352 | 78 | 71.10 | 320.40 | 173( 22) | 417( 22) | 559( 17) | 1034( 17) | | |
| 3353 | 89 | 71.10 | 320.79 | 173( 23) | 417( 21) | 559( 22) | 1034( 23) | | |
| 3354 | 55 | 71.10 | 321.19 | 173( 9) | 559( 17) | 803( 12) | 1034( 17) | | |
| 3355 | 45 | 71.10 | 321.59 | 460( 22) | 803( 23) | | | | |
| 3356 | 41 | 71.10 | 321.99 | 460( 23) | 803( 18) | | | | |
| 3357 | 9 | 71.10 | 322.39 | 460( 9) | | | | | |
| 3358 | 8 | 71.10 | 322.79 | 503( 8) | | | | | |
| 3359 | 76 | 71.10 | 323.19 | 259( 20) | 503( 23) | 645( 12) | 846( 21) | | |
| 3360 | 79 | 71.10 | 323.59 | 259( 21) | 401( 2) | 503( 15) | 645( 19) | 846( 22) | |
| 3361 | 61 | 71.10 | 323.99 | 259( 13) | 645( 22) | 846( 14) | 889( 12) | | |
| 3362 | 4 | 71.10 | 324.39 | 546( 4) | | | | | |
| 3364 | 33 | 71.10 | 325.19 | 200( 10) | 546( 1) | 790( 22) | | | |
| 3365 | 26 | 71.10 | 325.59 | 200( 16) | 444( 2) | 790( 8) | | | |
| 3366 | 12 | 71.10 | 325.99 | 200( 12) | | | | | |
| 3368 | 3 | 71.10 | 326.79 | 243( 3) | | | | | |
| 3369 | 15 | 71.10 | 327.19 | 632( 11) | 833( 4) | | | | |
| 3370 | 28 | 71.10 | 327.59 | 530( 5) | 632( 23) | | | | |
| 3371 | 23 | 71.10 | 327.99 | 286( 9) | 530( 4) | 632( 10) | | | |
| 3372 | 7 | 71.10 | 328.39 | 876( 7) | | | | | |
| 3374 | 6 | 71.10 | 329.19 | 573( 6) | | | | | |
| 3375 | 7 | 71.10 | 329.59 | 573( 7) | | | | | |
| 3378 | 7 | 71.10 | 330.79 | 474( 6) | 718( 1) | | | | |
| 3381 | 1 | 71.10 | 331.99 | 659( 1) | | | | | |
| 3382 | 7 | 71.10 | 332.39 | 517( 3) | 659( 4) | | | | |
| 3383 | 2 | 71.10 | 332.79 | 517( 2) | | | | | |
| 3390 | 10 | 71.10 | 335.59 | 257( 3) | 603( 7) | | | | |
| 3392 | 5 | 71.10 | 336.39 | 646( 5) | | | | | |
| 3393 | 2 | 71.10 | 336.79 | 646( 1) | 847( 1) | | | | |
| 3394 | 12 | 71.10 | 337.19 | 646( 2) | 788( 6) | 1148( 1) | 1234( 3) | | |
| 3423 | 17 | 71.20 | 308.80 | 172( 5) | 1205( 6) | 1248( 6) | | | |
| 3424 | 13 | 71.20 | 309.20 | 172( 7) | 1162( 1) | 1248( 5) | | | |
| 3426 | 15 | 71.20 | 310.00 | 459( 4) | 647( 4) | 848( 7) | | | |
| 3427 | 29 | 71.20 | 310.40 | 647( 21) | 848( 6) | 891( 2) | | | |
| 3428 | 19 | 71.20 | 310.80 | 647( 10) | 848( 1) | 891( 3) | 1020( 5) | | |
| 3429 | 6 | 71.20 | 311.20 | 891( 6) | | | | | |
| 3430 | 9 | 71.20 | 311.60 | 446( 5) | 1020( 4) | | | | |
| 3431 | 20 | 71.20 | 312.00 | 258( 3) | 446( 7) | 502( 5) | 690( 5) | | |
| 3434 | 8 | 71.20 | 313.20 | 489( 8) | | | | | |
| 3436 | 14 | 71.20 | 314.00 | 489( 5) | 588( 9) | | | | |
| 3437 | 31 | 71.20 | 314.40 | 532( 8) | 588( 23) | | | | |
| 3438 | 43 | 71.20 | 314.80 | 532( 22) | 588( 21) | | | | |
| 3439 | 40 | 71.20 | 315.20 | 288( 6) | 532( 13) | 631( 3) | 832( 18) | | |
| 3440 | 56 | 71.20 | 315.60 | 631( 20) | 776( 14) | 832( 22) | | | |
| 3441 | 71 | 71.20 | 316.00 | 575( 19) | 631( 23) | 776( 9) | 832( 20) | | |
| 3442 | 41 | 71.20 | 316.40 | 575( 22) | 631( 11) | 875( 8) | | | |
| 3443 | 54 | 71.20 | 316.80 | 575( 19) | 674( 10) | 819( 2) | 875( 23) | | |
| 3444 | 83 | 71.20 | 317.20 | 186( 12) | 430( 23) | 618( 4) | 819( 22) | 875( 22) | |
| 3445 | 103 | 71.20 | 317.60 | 186( 20) | 430( 22) | 618( 22) | 674( 9) | 819( 23) | 875( 7) |
| 3446 | 72 | 71.20 | 318.00 | 186( 23) | 430( 15) | 618( 22) | 819( 12) | | |
| 3447 | 38 | 71.20 | 318.40 | 186( 3) | 473( 9) | 618( 10) | 717( 16) | | |
| 3448 | 73 | 71.20 | 318.80 | 229( 21) | 417( 6) | 473( 23) | 717( 23) | | |
| 3449 | 114 | 71.20 | 319.20 | 173( 17) | 229( 23) | 417( 22) | 473( 22) | 717( 21) | 1034( 9) |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3450 | 88 | 71.20 | 319.60 | 173( 21) | 229( 16) | 417( 23) | 473( 6) | 1034( 22) | |
| 3451 | 85 | 71.20 | 320.00 | 173( 20) | 272( 8) | 417( 9) | 516( 19) | 760( 6) | 1034( 23) |
| 3452 | 89 | 71.20 | 320.40 | 272( 23) | 460( 15) | 516( 23) | 760( 23) | 1034( 5) | |
| 3453 | 85 | 71.20 | 320.79 | 272( 22) | 460( 22) | 516( 18) | 760( 23) | | |
| 3454 | 44 | 71.20 | 321.19 | 272( 7) | 460( 23) | 559( 6) | 760( 8) | | |
| 3455 | 23 | 71.20 | 321.59 | 559( 23) | | | | | |
| 3456 | 56 | 71.20 | 321.99 | 259( 13) | 503( 23) | 559( 16) | 803( 4) | | |
| 3457 | 66 | 71.20 | 322.39 | 259( 23) | 503( 18) | 559( 2) | 803( 23) | | |
| 3458 | 59 | 71.20 | 322.79 | 259( 22) | 503( 15) | 803( 22) | | | |
| 3459 | 22 | 71.20 | 323.19 | 259( 3) | 546( 8) | 803( 1?) | | | |
| 3460 | 23 | 71.20 | 323.59 | 546( 23) | | | | | |
| 3461 | 46 | 71.20 | 323.99 | 546( 23) | 790( 14) | 846( 9) | | | |
| 3462 | 50 | 71.20 | 324.39 | 401( 6) | 546( 6) | 645( 7) | 790( 22) | 846( 9) | |
| 3463 | 23 | 71.20 | 324.79 | 790( 23) | | | | | |
| 3464 | 3 | 71.20 | 325.19 | 790( 1) | 889( 2) | | | | |
| 3465 | 15 | 71.20 | 325.59 | 889( 15) | | | | | |
| 3466 | 35 | 71.20 | 325.99 | 200( 10) | 632( 3) | 833( 15) | 889( 7) | | |
| 3467 | 67 | 71.20 | 326.39 | 200( 23) | 632( 22) | 833( 22) | | | |
| 3468 | 30 | 71.20 | 326.79 | 200( 1) | 632( 22) | 833( 7) | | | |
| 3469 | 12 | 71.20 | 327.19 | 632( 12) | | | | | |
| 3470 | 3 | 71.20 | 327.59 | 243( 1) | 876( 2) | | | | |
| 3471 | 8 | 71.20 | 327.99 | 243( 1) | 431( 4) | 876( 3) | | | |
| 3472 | 11 | 71.20 | 328.39 | 675( 8) | 876( 3) | | | | |
| 3477 | 3 | 71.20 | 330.39 | 573( 3) | | | | | |
| 3478 | 7 | 71.20 | 330.79 | 573( 7) | | | | | |
| 3479 | 2 | 71.20 | 331.19 | 573( 2) | | | | | |
| 3490 | 17 | 71.20 | 335.59 | 158( 5) | 646( 12) | | | | |
| 3491 | 7 | 71.20 | 335.99 | 646( 7) | | | | | |
| 3492 | 4 | 71.20 | 336.39 | 1320( 1) | 1492( 3) | | | | |
| 3522 | 4 | 71.30 | 308.40 | 617( 4) | | | | | |
| 3523 | 2 | 71.30 | 308.80 | 647( 2) | | | | | |
| 3524 | 1 | 71.30 | 309.20 | 891( 1) | | | | | |
| 3525 | 49 | 71.30 | 309.60 | 647( 12) | 848( 14) | 891( 15) | 1205( 8) | | |
| 3526 | 43 | 71.30 | 310.00 | 172( 3) | 647( 4) | 1020( 4) | 1162( 5) | 1205( 4) | 1235( 3) |
| | | | | 1248( 11) | 1278( 9) | | | | |
| 3527 | 23 | 71.30 | 310.40 | 446( 2) | 1162( 1) | 1205( 2) | 1248( 18) | | |
| 3528 | 16 | 71.30 | 310.80 | 459( 6) | 690( 5) | 1020( 1) | 1205( 1) | 1278( 3) | |
| 3529 | 38 | 71.30 | 311.20 | 446( 9) | 459( 17) | 690( 12) | | | |
| 3530 | 11 | 71.30 | 311.60 | 459( 11) | | | | | |
| 3531 | 1 | 71.30 | 312.00 | 489( 1) | | | | | |
| 3532 | 7 | 71.30 | 312.40 | 258( 5) | 502( 2) | | | | |
| 3533 | 25 | 71.30 | 312.80 | 258( 16) | 489( 9) | | | | |
| 3534 | 28 | 71.30 | 313.20 | 258( 22) | 532( 6) | | | | |
| 3535 | 42 | 71.30 | 313.60 | 258( 2) | 288( 20) | 532( 18) | 776( 2) | | |
| 3536 | 43 | 71.30 | 314.00 | 288( 1) | 532( 20) | 776( 22) | | | |
| 3537 | 44 | 71.30 | 314.40 | 288( 10) | 532( 12) | 776( 22) | | | |
| 3538 | 33 | 71.30 | 314.80 | 575( 16) | 588( 1) | 776( 16) | | | |
| 3539 | 43 | 71.30 | 315.20 | 575( 20) | 588( 23) | | | | |
| 3540 | 43 | 71.30 | 315.60 | 575( 21) | 588( 22) | | | | |
| 3541 | 39 | 71.30 | 316.00 | 575( 4) | 588( 17) | 618( 2) | 819( 13) | 832( 3) | |
| 3542 | 69 | 71.30 | 316.40 | 618( 20) | 631( 9) | 819( 20) | 832( 20) | | |
| 3543 | 71 | 71.30 | 316.80 | 618( 21) | 631( 22) | 819( 8) | 832( 20) | | |
| 3544 | 56 | 71.30 | 317.20 | 618( 17) | 631( 23) | 832( 16) | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3545 | 28 | 71.30 | 317.60 | 417( 3) | 631( 9) | 875( 16) | | | |
| 3546 | 87 | 71.30 | 318.00 | 173( 14) | 417( 22) | 430( 8) | 674( 15) | 875( 22) | 1034( 6) |
| 3547 | 151 | 71.30 | 318.40 | 173( 22) | 186( 19) | 417( 22) | 430( 22) | 674( 22) | 875( 22) |
| 3548 | 132 | 71.30 | 318.80 | 1034( 22)<br>173( 23) | 186( 23) | 417( 17) | 430( 22) | 674( 22) | 875( 3) |
| 3549 | 64 | 71.30 | 319.20 | 1034( 22)<br>173( 5) | 186( 21) | 430( 11) | 460( 11) | 674( 1) | 717( 1) |
| 3550 | 67 | 71.30 | 319.60 | 1034( 14)<br>229( 6) | 460( 23) | 473( 16) | 717( 22) | | |
| 3551 | 86 | 71.30 | 320.00 | 229( 23) | 460( 22) | 473( 21) | 717( 20) | | |
| 3552 | 67 | 71.30 | 320.40 | 229( 20) | 460( 8) | 473( 22) | 717( 17) | | |
| 3553 | 48 | 71.30 | 320.79 | 229( 13) | 259( 10) | 473( 2) | 503( 19) | 516( 4) | |
| 3554 | 98 | 71.30 | 321.19 | 259( 22) | 272( 16) | 503( 23) | 516( 23) | 760( 14) | |
| 3555 | 111 | 71.30 | 321.59 | 259( 23) | 272( 22) | 503( 22) | 516( 22) | 760( 22) | |
| 3556 | 57 | 71.30 | 321.99 | 259( 9) | 272( 22) | 516( 15) | 760( 11) | | |
| 3557 | 38 | 71.30 | 322.39 | 272( 4) | 546( 18) | 559( 13) | 760( 3) | | |
| 3558 | 56 | 71.30 | 322.79 | 546( 22) | 559( 23) | 790( 11) | | | |
| 3559 | 70 | 71.30 | 323.19 | 546( 14) | 559( 22) | 790( 22) | 803( 12) | | |
| 3560 | 50 | 71.30 | 323.59 | 559( 6) | 790( 22) | 803( 22) | | | |
| 3561 | 31 | 71.30 | 323.99 | 790( 9) | 803( 22) | | | | |
| 3562 | 8 | 71.30 | 324.39 | 803( 8) | | | | | |
| 3563 | 12 | 71.30 | 324.79 | 833( 12) | | | | | |
| 3564 | 46 | 71.30 | 325.19 | 632( 21) | 645( 1) | 833( 22) | 846( 2) | | |
| 3565 | 46 | 71.30 | 325.59 | 401( 1) | 632( 23) | 833( 22) | | | |
| 3566 | 39 | 71.30 | 325.99 | 632( 19) | 645( 4) | 833( 8) | 876( 6) | 889( 2) | |
| 3567 | 25 | 71.30 | 326.39 | 645( 3) | 876( 22) | | | | |
| 3568 | 10 | 71.30 | 326.79 | 876( 6) | 889( 2) | 1018( 2) | | | |
| 3569 | 4 | 71.30 | 327.19 | 187( 1) | 431( 3) | | | | |
| 3570 | 3 | 71.30 | 327.59 | 200( 2) | 444( 1) | | | | |
| 3571 | 5 | 71.30 | 327.99 | 187( 3) | 474( 1) | 718( 1) | | | |
| 3574 | 10 | 71.30 | 329.19 | 230( 10) | | | | | |
| 3577 | 6 | 71.30 | 330.39 | 530( 4) | 761( 2) | | | | |
| 3578 | 5 | 71.30 | 330.79 | 530( 5) | | | | | |
| 3579 | 7 | 71.30 | 331.19 | 573( 7) | | | | | |
| 3580 | 6 | 71.30 | 331.59 | 560( 1) | 573( 5) | | | | |
| 3581 | 7 | 71.30 | 331.99 | 573( 7) | | | | | |
| 3582 | 7 | 71.30 | 332.39 | 603( 7) | | | | | |
| 3589 | 5 | 71.30 | 335.19 | 1492( 5) | | | | | |
| 3590 | 4 | 71.30 | 335.59 | 1492( 4) | | | | | |
| 3591 | 11 | 71.30 | 335.99 | 1320( 3) | 1449( 8) | | | | |
| 3622 | 4 | 71.40 | 308.40 | 1020( 4) | | | | | |
| 3623 | 1 | 71.40 | 308.80 | 1020( 1) | | | | | |
| 3624 | 15 | 71.40 | 309.20 | 891( 7) | 1235( 4) | 1278( 4) | | | |
| 3625 | 13 | 71.40 | 309.60 | 690( 3) | 1235( 5) | 1278( 5) | | | |
| 3626 | 1 | 71.40 | 310.00 | 1235( 1) | | | | | |
| 3628 | 48 | 71.40 | 310.80 | 172( 13) | 489( 8) | 1162( 17) | 1205( 10) | | |
| 3629 | 35 | 71.40 | 311.20 | 172( 13) | 489( 17) | 1162( 2) | 1205( 3) | | |
| 3630 | 22 | 71.40 | 311.60 | 172( 1) | 489( 17) | 1248( 4) | | | |
| 3631 | 9 | 71.40 | 312.00 | 459( 1) | 489( 1) | 532( 7) | | | |
| 3632 | 12 | 71.40 | 312.40 | 459( 12) | | | | | |
| 3633 | 50 | 71.40 | 312.80 | 288( 8) | 459( 20) | 532( 10) | 776( 12) | | |
| 3634 | 62 | 71.40 | 313.20 | 288( 22) | 459( 3) | 532( 14) | 776( 23) | | |
| 3635 | 56 | 71.40 | 313.60 | 258( 20) | 288( 2) | 575( 14) | 776( 20) | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3636 | 37 | 71.40 | 314.00 | 258( 21) | 575( 16) | | | | |
| 3637 | 46 | 71.40 | 314.40 | 258( 22) | 575( 23) | 819( 1) | | | |
| 3638 | 37 | 71.40 | 314.80 | 258( 4) | 575( 6) | 618( 5) | 819( 22) | | |
| 3639 | 40 | 71.40 | 315.20 | 618( 20) | 819( 20) | | | | |
| 3640 | 41 | 71.40 | 315.60 | 618( 20) | 819( 21) | | | | |
| 3641 | 26 | 71.40 | 316.00 | 588( 5) | 618( 20) | 819( 1) | | | |
| 3642 | 27 | 71.40 | 316.40 | 417( 5) | 588( 22) | | | | |
| 3643 | 52 | 71.40 | 316.80 | 417( 22) | 588( 23) | 1034( 7) | | | |
| 3644 | 84 | 71.40 | 317.20 | 173( 14) | 417( 23) | 588( 19) | 832( 6) | 1034( 22) | |
| 3645 | 99 | 71.40 | 317.60 | 173( 22) | 417( 19) | 631( 13) | 832( 23) | 1034( 22) | |
| 3646 | 82 | 71.40 | 318.00 | 173( 8) | 460( 13) | 631( 22) | 832( 22) | 1034( 17) | |
| 3647 | 61 | 71.40 | 318.40 | 460( 22) | 631( 22) | 832( 17) | | | |
| 3648 | 51 | 71.40 | 318.80 | 460( 22) | 631( 10) | 875( 19) | | | |
| 3649 | 69 | 71.40 | 319.20 | 186( 1) | 430( 12) | 460( 11) | 674( 22) | 875( 23) | |
| 3650 | 121 | 71.40 | 319.60 | 186( 22) | 259( 12) | 430( 22) | 503( 21) | 674( 22) | 875( 22) |
| 3651 | 113 | 71.40 | 320.00 | 186( 22) | 259( 22) | 430( 22) | 503( 20) | 674( 22) | 875( 5) |
| 3652 | 77 | 71.40 | 320.40 | 186( 22) | 259( 22) | 430( 13) | 503( 14) | 674( 1) | 717( 5) |
| 3653 | 74 | 71.40 | 320.79 | 186( 2) | 229( 7) | 259( 12) | 473( 21) | 503( 3) | 546( 7) |
| | | | | 717( 22) | | | | | |
| 3654 | 88 | 71.40 | 321.19 | 229( 22) | 473( 22) | 546( 22) | 717( 22) | | |
| 3655 | 99 | 71.40 | 321.59 | 229( 23) | 473( 22) | 546( 22) | 717( 20) | 790( 12) | |
| 3656 | 34 | 71.40 | 321.99 | 229( 4) | 473( 2) | 516( 7) | 546( 8) | 790( 13) | |
| 3657 | 79 | 71.40 | 322.39 | 272( 18) | 516( 22) | 760( 17) | 790( 22) | | |
| 3658 | 78 | 71.40 | 322.79 | 272( 23) | 516( 22) | 760( 22) | 790( 11) | | |
| 3659 | 59 | 71.40 | 323.19 | 272( 22) | 516( 16) | 760( 21) | | | |
| 3660 | 43 | 71.40 | 323.59 | 272( 5) | 559( 16) | 632( 2) | 760( 7) | 833( 13) | |
| 3661 | 66 | 71.40 | 323.99 | 559( 22) | 632( 22) | 833( 22) | | | |
| 3662 | 76 | 71.40 | 324.39 | 559( 22) | 632( 22) | 803( 10) | 833( 22) | | |
| 3663 | 41 | 71.40 | 324.79 | 559( 8) | 632( 22) | 833( 11) | | | |
| 3664 | 4 | 71.40 | 325.19 | 632( 1) | 876( 3) | | | | |
| 3665 | 60 | 71.40 | 325.59 | 187( 14) | 431( 21) | 803( 3) | 876( 22) | | |
| 3666 | 42 | 71.40 | 325.99 | 187( 13) | 431( 12) | 876( 17) | | | |
| 3667 | 2 | 71.40 | 326.39 | 846( 2) | | | | | |
| 3668 | 14 | 71.40 | 326.79 | 718( 14) | | | | | |
| 3669 | 27 | 71.40 | 327.19 | 474( 4) | 645( 2) | 718( 20) | 846( 1) | | |
| 3670 | 27 | 71.40 | 327.59 | 230( 3) | 401( 2) | 718( 22) | | | |
| 3671 | 13 | 71.40 | 327.99 | 474( 1) | 718( 8) | 889( 3) | 1018( 1) | | |
| 3672 | 2 | 71.40 | 328.39 | 444( 1) | 688( 1) | | | | |
| 3674 | 5 | 71.40 | 329.19 | 517( 5) | | | | | |
| 3675 | 2 | 71.40 | 329.59 | 200( 2) | | | | | |
| 3682 | 1 | 71.40 | 332.39 | 603( 1) | | | | | |
| 3684 | 1 | 71.40 | 333.19 | 646( 1) | | | | | |
| 3688 | 7 | 71.40 | 334.79 | 201( 3) | 1492( 4) | | | | |
| 3691 | 12 | 71.40 | 335.99 | 1376( 12) | | | | | |
| 3692 | 3 | 71.40 | 336.39 | 1161( 2) | 1376( 1) | | | | |
| 3693 | 3 | 71.40 | 336.79 | 244( 3) | | | | | |
| 3712 | 1 | 71.50 | 304.40 | 805( 1) | | | | | |
| 3713 | 1 | 71.50 | 304.80 | 1406( 1) | | | | | |
| 3714 | 1 | 71.50 | 305.20 | 201( 1) | | | | | |
| 3718 | 1 | 71.50 | 306.80 | 244( 1) | | | | | |
| 3728 | 30 | 71.50 | 310.80 | 288( 9) | 532( 16) | 617( 5) | | | |
| 3729 | 21 | 71.50 | 311.20 | 288( 8) | 532( 3) | 617( 9) | 776( 1) | | |
| 3730 | 8 | 71.50 | 311.60 | 532( 8) | | | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3731 | 25 | 71.50 | 312.00 | 532( 6) | 776( 16) | 1248( 3) | | | |
| 3732 | 26 | 71.50 | 312.40 | 172( 8) | 575( 18) | | | | |
| 3733 | 43 | 71.50 | 312.80 | 172( 22) | 575( 21) | | | | |
| 3734 | 55 | 71.50 | 313.20 | 172( 8) | 459( 17) | 575( 20) | 819( 10) | | |
| 3735 | 60 | 71.50 | 313.60 | 459( 22) | 575( 3) | 618( 13) | 819( 22) | | |
| 3736 | 66 | 71.50 | 314.00 | 459( 22) | 618( 22) | 819( 22) | | | |
| 3737 | 54 | 71.50 | 314.40 | 459( 11) | 618( 22) | 819( 21) | | | |
| 3738 | 35 | 71.50 | 314.80 | 258( 18) | 618( 17) | | | | |
| 3739 | 37 | 71.50 | 315.20 | 173( 3) | 258( 19) | 417( 15) | | | |
| 3740 | 79 | 71.50 | 315.60 | 173( 22) | 258( 21) | 417( 21) | 1034( 15) | | |
| 3741 | 74 | 71.50 | 316.00 | 173( 21) | 258( 11) | 417( 22) | 1034( 20) | | |
| 3742 | 39 | 71.50 | 316.40 | 417( 17) | 1034( 22) | | | | |
| 3743 | 37 | 71.50 | 316.80 | 460( 22) | 1034( 15) | | | | |
| 3744 | 25 | 71.50 | 317.20 | 460( 22) | 588( 3) | | | | |
| 3745 | 43 | 71.50 | 317.60 | 460( 22) | 588(. 21) | | | | |
| 3746 | 37 | 71.50 | 318.00 | 460( 9) | 503( 6) | 588( 22) | | | |
| 3747 | 68 | 71.50 | 318.40 | 259( 21) | 503( 20) | 588( 22) | 832( 5) | | |
| 3748 | 73 | 71.50 | 318.80 | 259( 22) | 503( 14) | 588( 6) | 631( 10) | 832( 21) | |
| 3749 | 87 | 71.50 | 319.20 | 259( 22) | 503( 21) | 631( 22) | 832( 22) | | |
| 3750 | 70 | 71.50 | 319.60 | 259( 10) | 503( 1) | 546( 15) | 631( 22) | 832( 22) | |
| 3751 | 63 | 71.50 | 320.00 | 546( 22) | 631( 19) | 832( 5) | 875( 17) | | |
| 3752 | 84 | 71.50 | 320.40 | 430( 9) | 546( 14) | 674( 19) | 790( 21) | 875( 21) | |
| 3753 | 117 | 71.50 | 320.79 | 186( 15) | 430( 22) | 546( 14) | 674( 22) | 790( 22) | 875( 22) |
| 3754 | 100 | 71.50 | 321.19 | 186( 22) | 430( 22) | 674( 21) | 790( 21) | 875( 14) | |
| 3755 | 67 | 71.50 | 321.59 | 186( 22) | 430( 21) | 674( 12) | 717( 2) | 790( 10) | |
| 3756 | 34 | 71.50 | 321.99 | 186( 8) | 229( 1) | 430( 1) | 473( 13) | 717( 10) | 833( 1) |
| 3757 | 98 | 71.50 | 322.39 | 229( 22) | 473( 22) | 632( 10) | 717( 22) | 833( 22) | |
| 3758 | 107 | 71.50 | 322.79 | 229( 21) | 473( 21) | 632( 22) | 717( 22) | 833( 21) | |
| 3759 | 77 | 71.50 | 323.19 | 229( 11) | 473( 11) | 516( 5) | 632( 22) | 717( 6) | 833( 22) |
| 3760 | 100 | 71.50 | 323.59 | 272( 17) | 516( 22) | 632( 20) | 760( 15) | 833( 9) | 876( 17) |
| 3761 | 98 | 71.50 | 323.99 | 187( 1) | 272( 22) | 431( 10) | 516( 22) | 760( 22) | 876( 21) |
| 3762 | 130 | 71.50 | 324.39 | 187( 22) | 272( 21) | 431( 22) | 516( 22) | 760( 21) | 876( 22) |
| 3763 | 111 | 71.50 | 324.79 | 187( 22) | 272( 15) | 431( 19) | 516( 4) | 559( 14) | 675( 7) |
| | | | | 760( 15) | 876( 15) | | | | |
| 3764 | 27 | 71.50 | 325.19 | 187( 22) | 559( 4) | 718( 1) | | | |
| 3765 | 40 | 71.50 | 325.59 | 187( 8) | 230( 10) | 718( 22) | | | |
| 3766 | 46 | 71.50 | 325.99 | 230( 22) | 474( 1) | 559( 1) | 718( 22) | | |
| 3767 | 42 | 71.50 | 326.39 | 230( 21) | 718( 19) | 803( 2) | | | |
| 3768 | 9 | 71.50 | 326.79 | 230( 1) | 718( 8) | | | | |
| 3769 | 10 | 71.50 | 327.19 | 761( 10) | | | | | |
| 3770 | 20 | 71.50 | 327.59 | 761( 20) | | | | | |
| 3771 | 11 | 71.50 | 327.99 | 761( 11) | | | | | |
| 3772 | 9 | 71.50 | 328.39 | 401( 1) | 560( 7) | 846( 1) | | | |
| 3775 | 3 | 71.50 | 329.59 | 1018( 3) | | | | | |
| 3776 | 3 | 71.50 | 329.99 | 1018( 3) | | | | | |
| 3777 | 16 | 71.50 | 330.39 | 200( 3) | 603( 5) | 804( 8) | | | |
| 3778 | 1 | 71.50 | 330.79 | 603( 1) | | | | | |
| 3790 | 3 | 71.50 | 335.59 | 244( 3) | | | | | |
| 3791 | 3 | 71.50 | 335.99 | 616( 3) | | | | | |
| 3811 | 16 | 71.60 | 304.00 | 646( 10) | 805( 2) | 847( 4) | | | |
| 3812 | 2 | 71.60 | 304.40 | 646( 2) | | | | | |
| 3813 | 2 | 71.60 | 304.80 | 1234( 2) | | | | | |
| 3814 | 2 | 71.60 | 305.20 | 1492( 2) | | | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3820 | 1 | 71.60 | 307.60 | 489( 1) | | | | | |
| 3825 | 11 | 71.60 | 309.60 | 775( 7) | 776( 4) | | | | |
| 3826 | 18 | 71.60 | 310.00 | 287( 8) | 288( 4) | 776( 6) | | | |
| 3827 | 8 | 71.60 | 310.40 | 532( 8) | | | | | |
| 3828 | 22 | 71.60 | 310.80 | 532( 3) | 575( 18) | 776( 1) | | | |
| 3829 | 20 | 71.60 | 311.20 | 575( 12) | 776( 8) | | | | |
| 3830 | 15 | 71.60 | 311.60 | 575( 10) | 819( 5) | | | | |
| 3831 | 18 | 71.60 | 312.00 | 618( 10) | 819( 8) | | | | |
| 3832 | 35 | 71.60 | 312.40 | 617( 14) | 618( 15) | 819( 6) | | | |
| 3833 | 8 | 71.60 | 312.80 | 617( 8) | | | | | |
| 3834 | 35 | 71.60 | 313.20 | 172( 14) | 618( 14) | 819( 7) | | | |
| 3835 | 41 | 71.60 | 313.60 | 172( 21) | 417( 11) | 618( 9) | | | |
| 3836 | 70 | 71.60 | 314.00 | 172( 22) | 173( 21) | 417( 21) | 1034( 6) | | |
| 3837 | 95 | 71.60 | 314.40 | 172( 22) | 173( 21) | 417( 20) | 459( 11) | 1034( 21) | |
| 3838 | 91 | 71.60 | 314.80 | 172( 4) | 173( 22) | 417( 22) | 459( 21) | 1034( 22) | |
| 3839 | 88 | 71.60 | 315.20 | 173( 19) | 417( 7) | 459( 22) | 460( 18) | 1034( 22) | |
| 3840 | 49 | 71.60 | 315.60 | 459( 22) | 460( 22) | 1034( 5) | | | |
| 3841 | 38 | 71.60 | 316.00 | 258( 9) | 459( 7) | 460( 22) | | | |
| 3842 | 46 | 71.60 | 316.40 | 258( 20) | 460( 21) | 503( 5) | | | |
| 3843 | 58 | 71.60 | 316.80 | 258( 20) | 259( 17) | 503( 21) | | | |
| 3844 | 57 | 71.60 | 317.20 | 258( 19) | 259( 21) | 503( 17) | | | |
| 3845 | 52 | 71.60 | 317.60 | 258( 9) | 259( 22) | 503( 21) | | | |
| 3846 | 44 | 71.60 | 318.00 | 259( 22) | 503( 10) | 546( 12) | | | |
| 3847 | 22 | 71.60 | 318.40 | 259( 1) | 546( 21) | | | | |
| 3848 | 53 | 71.60 | 318.80 | 546( 20) | 588( 16) | 790( 17) | | | |
| 3849 | 65 | 71.60 | 319.20 | 546( 21) | 588( 22) | 790( 22) | | | |
| 3850 | 49 | 71.60 | 319.60 | 546( 7) | 588( 21) | 790( 21) | | | |
| 3851 | 59 | 71.60 | 320.00 | 588( 20) | 631( 2) | 790( 22) | 832( 15) | | |
| 3852 | 46 | 71.60 | 320.40 | 588( 2) | 631( 22) | 790( 1) | 832( 21) | | |
| 3853 | 69 | 71.60 | 320.79 | 631( 22) | 632( 7) | 832( 22) | 833( 18) | | |
| 3854 | 91 | 71.60 | 321.19 | 631( 21) | 632( 21) | 832( 22) | 833( 19) | 875( 8) | |
| 3855 | 83 | 71.60 | 321.59 | 631( 16) | 632( 22) | 674( 1) | 833( 22) | 875( 22) | |
| 3856 | 75 | 71.60 | 321.99 | 186( 7) | 430( 12) | 632( 11) | 833( 15) | 875( 21) | 876( 9) |
| 3857 | 99 | 71.60 | 322.39 | 186( 22) | 431( 8) | 632( 11) | 675( 15) | 875( 22) | 876( 21) |
| 3858 | 108 | 71.60 | 322.79 | 186( 21) | 187( 19) | 431( 22) | 675( 14) | 875( 10) | 876( 22) |
| 3859 | 111 | 71.60 | 323.19 | 186( 22) | 187( 21) | 430( 4) | 431( 21) | 473( 8) | 717( 13) |
| | | | | 876( 22) | | | | | |
| 3860 | 96 | 71.60 | 323.59 | 186( 3) | 187( 22) | 431( 22) | 473( 22) | 717( 22) | 876( 5) |
| 3861 | 114 | 71.60 | 323.99 | 187( 21) | 230( 6) | 431( 10) | 473( 22) | 474( 15) | 717( 22) |
| | | | | 718( 18) | | | | | |
| 3862 | 108 | 71.60 | 324.39 | 230( 22) | 473( 21) | 474( 22) | 717( 21) | 718( 22) | |
| 3863 | 99 | 71.60 | 324.79 | 230( 21) | 272( 7) | 473( 9) | 474( 20) | 516( 18) | 717( 2) |
| | | | | 718( 22) | | | | | |
| 3864 | 91 | 71.60 | 325.19 | 230( 22) | 272( 22) | 474( 6) | 516( 21) | 718( 20) | |
| 3865 | 63 | 71.60 | 325.59 | 230( 12) | 272( 22) | 516( 22) | 761( 7) | | |
| 3866 | 64 | 71.60 | 325.99 | 272( 21) | 516( 21) | 760( 3) | 761( 19) | | |
| 3867 | 31 | 71.60 | 326.39 | 272( 11) | 761( 20) | | | | |
| 3868 | 27 | 71.60 | 326.79 | 560( 8) | 761( 19) | | | | |
| 3869 | 35 | 71.60 | 327.19 | 560( 22) | 761( 11) | 803( 2) | | | |
| 3870 | 26 | 71.60 | 327.59 | 560( 22) | 803( 4) | | | | |
| 3871 | 19 | 71.60 | 327.99 | 560( 19) | | | | | |
| 3872 | 9 | 71.60 | 328.39 | 560( 9) | | | | | |
| 3873 | 11 | 71.60 | 328.79 | 603( 4) | 804( 7) | | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3874 | 7 | 71.60 | 329.19 | 645( 7) | | | | | |
| 3875 | 5 | 71.60 | 329.59 | 646( 1) | 846( 2) | 889( 2) | | | |
| 3876 | 7 | 71.60 | 329.99 | 645( 1) | 846( 6) | | | | |
| 3877 | 13 | 71.60 | 330.39 | 401( 3) | 645( 3) | 646( 6) | 889( 1) | | |
| 3878 | 7 | 71.60 | 330.79 | 646( 7) | | | | | |
| 3880 | 18 | 71.60 | 331.59 | 201( 6) | 445( 8) | 890( 4) | | | |
| 3885 | 2 | 71.60 | 333.59 | 244( 2) | | | | | |
| 3888 | 9 | 71.60 | 334.79 | 775( 9) | | | | | |
| 3890 | 2 | 71.60 | 335.59 | 573( 2) | | | | | |
| 3891 | 17 | 71.60 | 335.99 | 573( 17) | | | | | |
| 3911 | 10 | 71.70 | 304.00 | 804( 9) | 1321( 1) | | | | |
| 3912 | 3 | 71.70 | 304.40 | 690( 1) | 804( 2) | | | | |
| 3913 | 8 | 71.70 | 304.80 | 603( 1) | 804( 7) | | | | |
| 3914 | 5 | 71.70 | 305.20 | 603( 1) | 804( 1) | 891( 3) | | | |
| 3919 | 5 | 71.70 | 307.20 | 489( 4) | 1019( 1) | | | | |
| 3920 | 1 | 71.70 | 307.60 | 489( 1) | | | | | |
| 3921 | 1 | 71.70 | 308.00 | 1191( 1) | | | | | |
| 3922 | 3 | 71.70 | 308.40 | 776( 3) | | | | | |
| 3923 | 2 | 71.70 | 308.80 | 201( 1) | 776( 1) | | | | |
| 3925 | 12 | 71.70 | 309.60 | 244( 2) | 575( 6) | 776( 4) | | | |
| 3926 | 19 | 71.70 | 310.00 | 575( 11) | 819( 8) | | | | |
| 3927 | 16 | 71.70 | 310.40 | 244( 6) | 287( 1) | 575( 9) | | | |
| 3928 | 11 | 71.70 | 310.80 | 618( 8) | 775( 3) | | | | |
| 3929 | 25 | 71.70 | 311.20 | 287( 2) | 618( 2) | 775( 11) | 819( 10) | | |
| 3930 | 22 | 71.70 | 311.60 | 618( 17) | 819( 5) | | | | |
| 3931 | 37 | 71.70 | 312.00 | 173( 8) | 417( 17) | 618( 5) | 775( 7) | | |
| 3932 | 58 | 71.70 | 312.40 | 173( 22) | 417( 21) | 1034( 15) | | | |
| 3933 | 68 | 71.70 | 312.80 | 173( 21) | 417( 22) | 617( 4) | 1034( 21) | | |
| 3934 | 85 | 71.70 | 313.20 | 173( 21) | 417( 21) | 460( 6) | 617( 15) | 1034( 22) | |
| 3935 | 94 | 71.70 | 313.60 | 173( 22) | 417( 11) | 460( 21) | 617( 19) | 1034( 21) | |
| 3936 | 51 | 71.70 | 314.00 | 173( 1) | 460( 22) | 617( 18) | 1034( 10) | | |
| 3937 | 39 | 71.70 | 314.40 | 460( 21) | 617( 18) | | | | |
| 3938 | 53 | 71.70 | 314.80 | 172( 17) | 259( 2) | 460( 19) | 503( 14) | 617( 1) | |
| 3939 | 65 | 71.70 | 315.20 | 172( 22) | 259( 22) | 460( 3) | 503( 18) | | |
| 3940 | 64 | 71.70 | 315.60 | 172( 21) | 259( 21) | 503( 22) | | | |
| 3941 | 79 | 71.70 | 316.00 | 172( 22) | 259( 22) | 459( 14) | 503( 21) | | |
| 3942 | 92 | 71.70 | 316.40 | 172( 13) | 259( 21) | 459( 22) | 503( 15) | 546( 21) | |
| 3943 | 51 | 71.70 | 316.80 | 259( 5) | 459( 21) | 546( 21) | 790( 4) | | |
| 3944 | 58 | 71.70 | 317.20 | 459( 21) | 546( 16) | 790( 21) | | | |
| 3945 | 70 | 71.70 | 317.60 | 258( 13) | 459( 17) | 546( 18) | 790( 22) | | |
| 3946 | 52 | 71.70 | 318.00 | 258( 21) | 546( 10) | 790( 21) | | | |
| 3947 | 44 | 71.70 | 318.40 | 258( 22) | 790( 22) | | | | |
| 3948 | 30 | 71.70 | 318.80 | 258( 21) | 790( 4) | 833( 5) | | | |
| 3949 | 55 | 71.70 | 319.20 | 258( 18) | 632( 16) | 833( 21) | | | |
| 3950 | 42 | 71.70 | 319.60 | 632( 21) | 833( 21) | | | | |
| 3951 | 44 | 71.70 | 320.00 | 632( 22) | 833( 22) | | | | |
| 3952 | 85 | 71.70 | 320.40 | 588( 19) | 632( 21) | 675( 3) | 833( 21) | 876( 21) | |
| 3953 | 106 | 71.70 | 320.79 | 187( 6) 876( 21) | 431( 17) | 588( 22) | 632( 15) | 675( 21) | 833( 4) |
| 3954 | 108 | 71.70 | 321.19 | 187( 22) | 431( 22) | 588( 21) | 675( 21) | 876( 22) | |
| 3955 | 133 | 71.70 | 321.59 | 187( 21) 876( 21) | 431( 21) | 588( 21) | 631( 6) | 675( 22) | 832( 21) |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3956 | 111 | 71.70 | 321.99 | 187( 22) | 431( 22) | 474( 3) | 588( 7) | 631( 11) | 675( 11) |
| | | | | 718( 6) | 832( 19) | 876( 10) | | | |
| 3957 | 143 | 71.70 | 322.39 | 187( 21) | 230( 15) | 431( 13) | 474( 22) | 631( 22) | 675( 7) |
| | | | | 718( 22) | 832( 21) | | | | |
| 3958 | 103 | 71.70 | 322.79 | 187( 3) | 230( 21) | 474( 21) | 631( 21) | 718( 21) | 832( 4) |
| | | | | 875( 12) | | | | | |
| 3959 | 99 | 71.70 | 323.19 | 230( 22) | 474( 21) | 631( 14) | 718( 21) | 875( 21) | |
| 3960 | 68 | 71.70 | 323.59 | 230( 21) | 474( 20) | 674( 3) | 718( 22) | 875( 2) | |
| 3961 | 41 | 71.70 | 323.99 | 230( 16) | 430( 3) | 474( 6) | 718( 1) | 761( 15) | |
| 3962 | 26 | 71.70 | 324.39 | 186( 2) | 761( 21) | 875( 3) | | | |
| 3963 | 48 | 71.70 | 324.79 | 473( 10) | 674( 1) | 717( 17) | 761( 20) | | |
| 3964 | 77 | 71.70 | 325.19 | 473( 13) | 517( 4) | 560( 18) | 717( 21) | 761( 21) | |
| 3965 | 63 | 71.70 | 325.59 | 473( 10) | 560( 21) | 717( 21) | 761( 11) | | |
| 3966 | 40 | 71.70 | 325.99 | 560( 21) | 717( 19) | | | | |
| 3967 | 68 | 71.70 | 326.39 | 229( 2) | 272( 11) | 516( 22) | 560( 22) | 717( 11) | |
| 3968 | 31 | 71.70 | 326.79 | 272( 4) | 516( 9) | 560( 13) | 603( 3) | 760( 1) | 804( 1) |
| 3969 | 9 | 71.70 | 327.19 | 272( 9) | | | | | |
| 3970 | 6 | 71.70 | 327.59 | 272( 6) | | | | | |
| 3971 | 3 | 71.70 | 327.99 | 559( 3) | | | | | |
| 3972 | 3 | 71.70 | 328.39 | 646( 2) | 803( 1) | | | | |
| 3973 | 2 | 71.70 | 328.79 | 158( 2) | | | | | |
| 3974 | 2 | 71.70 | 329.19 | 646( 1) | 803( 1) | | | | |
| 3975 | 8 | 71.70 | 329.59 | 646( 5) | 803( 1) | 890( 2) | | | |
| 3976 | 2 | 71.70 | 329.99 | 445( 2) | | | | | |
| 3977 | 5 | 71.70 | 330.39 | 689( 5) | | | | | |
| 3978 | 7 | 71.70 | 330.79 | 445( 4) | 645( 3) | | | | |
| 3984 | 2 | 71.70 | 333.19 | 200( 2) | | | | | |
| 3985 | 7 | 71.70 | 333.59 | 200( 1) | 775( 6) | | | | |
| 3988 | 1 | 71.70 | 334.79 | 775( 1) | | | | | |
| 3990 | 1 | 71.70 | 335.59 | 530( 1) | | | | | |
| 3991 | 7 | 71.70 | 335.99 | 530( 5) | 774( 2) | | | | |
| 3992 | 16 | 71.70 | 336.39 | 286( 8) | 530( 6) | 617( 1) | 774( 1) | | |
| 4011 | 1 | 71.80 | 304.00 | 273( 1) | | | | | |
| 4014 | 2 | 71.80 | 305.20 | 804( 2) | | | | | |
| 4018 | 3 | 71.80 | 306.80 | 776( 3) | | | | | |
| 4020 | 2 | 71.80 | 307.60 | 646( 2) | | | | | |
| 4021 | 3 | 71.80 | 308.00 | 1191( 3) | | | | | |
| 4022 | 3 | 71.80 | 308.40 | 646( 3) | | | | | |
| 4023 | 8 | 71.80 | 308.80 | 575( 4) | 689( 1) | 1019( 1) | 1191( 2) | | |
| 4024 | 3 | 71.80 | 309.20 | 1019( 1) | 1148( 2) | | | | |
| 4025 | 25 | 71.80 | 309.60 | 158( 8) | 417( 2) | 890( 4) | 1019( 4) | 1191( 6) | 1234( 1) |
| 4026 | 40 | 71.80 | 310.00 | 201( 15) | 445( 4) | 689( 4) | 1034( 3) | 1148( 3) | 1191( 11) |
| 4027 | 53 | 71.80 | 310.40 | 173( 14) | 201( 22) | 417( 10) | 445( 2) | 1148( 3) | 1163( 1) |
| | | | | 1191( 1) | | | | | |
| 4028 | 55 | 71.80 | 310.80 | 173( 21) | 201( 3) | 244( 5) | 417( 10) | 445( 6) | 488( 7) |
| | | | | 1034( 3) | | | | | |
| 4029 | 85 | 71.80 | 311.20 | 173( 12) | 244( 14) | 417( 3) | 460( 13) | 488( 13) | 1034( 5) |
| | | | | 1163( 10) | 1249( 15) | | | | |
| 4030 | 24 | 71.80 | 311.60 | 244( 10) | 488( 7) | 1206( 7) | | | |
| 4031 | 68 | 71.80 | 312.00 | 173( 8) | 244( 16) | 287( 8) | 460( 1) | 488( 21) | 775( 2) |
| | | | | 1034( 10) | 1249( 2) | | | | |
| 4032 | 100 | 71.80 | 312.40 | 244( 21) | 287( 19) | 460( 20) | 488( 15) | 503( 1) | 775( 19) |
| | | | | 1034( 2) | 1249( 3) | | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 4033 | 103 | 71.80 | 312.80 | 244( 4) | 259( 14) | 287( 22) | 460( 22) | 503( 19) | 775( 22) |
| 4034 | 92 | 71.80 | 313.20 | 259( 19) | 287( 21) | 460( 13) | 503( 20) | 775( 19) | |
| 4035 | 80 | 71.80 | 313.60 | 259( 22) | 287( 21) | 503( 16) | 775( 21) | | |
| 4036 | 77 | 71.80 | 314.00 | 259( 21) | 287( 10) | 503( 21) | 546( 8) | 775( 17) | |
| 4037 | 68 | 71.80 | 314.40 | 259( 21) | 503( 21) | 546( 21) | 775( 5) | | |
| 4038 | 72 | 71.80 | 314.80 | 259( 17) | 503( 8) | 546( 22) | 617( 14) | 790( 11) | |
| 4039 | 60 | 71.80 | 315.20 | 546( 21) | 574( 3) | 617( 15) | 790( 21) | | |
| 4040 | 60 | 71.80 | 315.60 | 546( 21) | 617( 18) | 790( 21) | | | |
| 4041 | 58 | 71.80 | 316.00 | 546( 20) | 617( 16) | 790( 22) | | | |
| 4042 | 49 | 71.80 | 316.40 | 172( 8) | 546( 1) | 617( 19) | 790( 21) | | |
| 4043 | 59 | 71.80 | 316.80 | 172( 21) | 617( 7) | 632( 3) | 790( 17) | 833( 11) | |
| 4044 | 62 | 71.80 | 317.20 | 172( 22) | 632( 19) | 833( 21) | | | |
| 4045 | 66 | 71.80 | 317.60 | 172( 19) | 459( 5) | 632( 21) | 833( 21) | | |
| 4046 | 91 | 71.80 | 318.00 | 172( 21) | 459( 21) | 632( 21) | 833( 21) | 876( 7) | |
| 4047 | 124 | 71.80 | 318.40 | 172( 21) 876( 22) | 431( 5) | 459( 21) | 632( 21) | 675( 12) | 833( 22) |
| 4048 | 139 | 71.80 | 318.80 | 172( 1) 833( 16) | 187( 15) 876( 21) | 431( 21) | 459( 22) | 632( 22) | 675( 21) |
| 4049 | 114 | 71.80 | 319.20 | 187( 21) 876( 21) | 258( 4) | 431( 21) | 459( 21) | 632( 5) | 675( 21) |
| 4050 | 126 | 71.80 | 319.60 | 187( 21) | 258( 21) | 431( 21) | 459( 21) | 675( 21) | 876( 21) |
| 4051 | 140 | 71.80 | 320.00 | 187( 22) 675( 21) | 230( 2) 718( 14) | 258( 21) 876( 22) | 431( 22) | 459( 4) | 474( 12) |
| 4052 | 146 | 71.80 | 320.40 | 187( 21) 718( 21) | 230( 22) | 258( 21) | 431( 21) | 474( 21) | 675( 19) |
| 4053 | 104 | 71.80 | 320.79 | 187( 15) | 230( 21) | 258( 22) | 431( 4) | 474( 21) | 718( 21) |
| 4054 | 90 | 71.80 | 321.19 | 230( 21) | 258( 21) | 474( 22) | 502( 4) | 718( 22) | |
| 4055 | 81 | 71.80 | 321.59 | 230( 21) | 258( 5) | 474( 14) | 517( 19) | 718( 21) | 761( 1) |
| 4056 | 63 | 71.80 | 321.99 | 230( 22) | 474( 4) | 517( 17) | 588( 11) | 718( 3) | 761( 6) |
| 4057 | 67 | 71.80 | 322.39 | 230( 6) | 517( 21) | 588( 21) | 761( 19) | | |
| 4058 | 68 | 71.80 | 322.79 | 517( 22) | 560( 4) | 588( 21) | 761( 21) | | |
| 4059 | 53 | 71.80 | 323.19 | 517( 10) | 560( 10) | 588( 12) | 761( 21) | | |
| 4060 | 46 | 71.80 | 323.59 | 588( 22) | 761( 20) | 832( 4) | | | |
| 4061 | 25 | 71.80 | 323.99 | 560( 1) | 588( 18) | 761( 6) | | | |
| 4062 | 20 | 71.80 | 324.39 | 560( 2) | 603( 13) | 631( 3) | 804( 2) | | |
| 4063 | 42 | 71.80 | 324.79 | 560( 10) | 603( 19) | 804( 10) | 832( 3) | | |
| 4064 | 43 | 71.80 | 325.19 | 560( 4) | 603( 21) | 631( 1) | 804( 17) | | |
| 4065 | 32 | 71.80 | 325.59 | 186( 2) | 603( 19) | 804( 9) | 875( 2) | | |
| 4066 | 5 | 71.80 | 325.99 | 430( 3) | 847( 2) | | | | |
| 4067 | 22 | 71.80 | 326.39 | 186( 2) | 473( 1) | 646( 4) | 717( 6) | 875( 2) | 890( 7) |
| 4068 | 30 | 71.80 | 326.79 | 158( 3) | 473( 3) | 847( 2) | 890( 22) | | |
| 4069 | 23 | 71.80 | 327.19 | 229( 1) | 430( 2) | 689( 8) | 847( 2) | 890( 10) | |
| 4070 | 40 | 71.80 | 327.59 | 229( 7) 847( 5) | 445( 4) 890( 7) | 473( 1) 1019( 2) | 646( 4) | 689( 9) | 717( 1) |
| 4071 | 28 | 71.80 | 327.99 | 158( 1) | 229( 10) | 445( 10) | 890( 7) | | |
| 4072 | 6 | 71.80 | 328.39 | 272( 3) | 689( 3) | | | | |
| 4074 | 3 | 71.80 | 329.19 | 244( 3) | | | | | |
| 4075 | 15 | 71.80 | 329.59 | 272( 8) | 516( 5) | 760( 2) | | | |
| 4076 | 8 | 71.80 | 329.99 | 559( 2) | 760( 6) | | | | |
| 4082 | 3 | 71.80 | 332.39 | 645( 3) | | | | | |
| 4083 | 7 | 71.80 | 332.79 | 645( 7) | | | | | |
| 4084 | 7 | 71.80 | 333.19 | 645( 7) | | | | | |
| 4086 | 4 | 71.80 | 333.99 | 645( 4) | | | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 4088 | 5 | 71.80 | 334.79 | 1405( 1) | 1491( 4) | | | | |
| 4090 | 10 | 71.80 | 335.59 | 444( 4) | 1291( 3) | 1377( 3) | | | |
| 4112 | 5 | 71.90 | 304.40 | 776( 5) | | | | | |
| 4113 | 3 | 71.90 | 304.80 | 230( 2) | 776( 1) | | | | |
| 4114 | 4 | 71.90 | 305.20 | 273( 1) | 776( 3) | | | | |
| 4115 | 1 | 71.90 | 305.60 | 273( 1) | | | | | |
| 4119 | 1 | 71.90 | 307.20 | 273( 1) | | | | | |
| 4121 | 19 | 71.90 | 308.00 | 273( 8) | 417( 4) | 517( 7) | | | |
| 4122 | 6 | 71.90 | 308.40 | 173( 2) | 460( 2) | 1034( 2) | | | |
| 4123 | 16 | 71.90 | 308.80 | 560( 4) | 804( 12) | | | | |
| 4124 | 38 | 71.90 | 309.20 | 173( 7) | 417( 3) | 460( 3) | 560( 7) | 603( 4) | 804( 9) |
| | | | | 847( 5) | | | | | |
| 4125 | 38 | 71.90 | 309.60 | 158( 1) | 173( 3) | 259( 1) | 503( 1) | 603( 6) | 646( 5) |
| | | | | 804( 21) | | | | | |
| 4126 | 43 | 71.90 | 310.00 | 158( 4) | 460( 1) | 503( 1) | 646( 9) | 804( 17) | 847( 2) |
| | | | | 1034( 9) | | | | | |
| 4127 | 53 | 71.90 | 310.40 | 158( 11) | 646( 3) | 847( 3) | 890( 6) | 1019( 4) | 1148( 8) |
| | | | | 1191( 18) | | | | | |
| 4128 | 85 | 71.90 | 310.80 | 158( 15) | 460( 4) | 503( 2) | 646( 11) | 847( 5) | 890( 4) |
| | | | | 1019( 3) | 1148( 18) | 1191( 6) | 1234( 17) | | |
| 4129 | 15 | 71.90 | 311.20 | 460( 6) | 646( 1) | 1019( 1) | 1148( 3) | 1191( 1) | 1234( 3) |
| 4130 | 66 | 71.90 | 311.60 | 158( 6) | 201( 1) | 259( 1) | 445( 1) | 646( 9) | 689( 6) |
| | | | | 847( 20) | 890( 4) | 1019( 6) | 1191( 10) | 1234( 2) | |
| 4131 | 51 | 71.90 | 312.00 | 259( 10) | 646( 21) | 847( 20) | | | |
| 4132 | 170 | 71.90 | 312.40 | 158( 18) | 201( 21) | 259( 21) | 445( 20) | 488( 7) | 503( 8) |
| | | | | 546( 9) | 646( 10) | 689( 11) | 790( 17) | 890( 17) | 1019( 7) |
| | | | | 1234( 4) | | | | | |
| 4133 | 177 | 71.90 | 312.80 | 158( 9) | 201( 19) | 244( 17) | 259( 7) | 445( 20) | 488( 19) |
| | | | | 546( 17) | 689( 18) | 790( 18) | 890( 17) | 1019( 16) | |
| 4134 | 120 | 71.90 | 313.20 | 201( 18) | 244( 21) | 445( 21) | 488( 19) | 689( 19) | 790( 21) |
| | | | | 1019( 1) | | | | | |
| 4135 | 136 | 71.90 | 313.60 | 201( 21) | 244( 21) | 445( 21) | 488( 21) | 546( 18) | 689( 11) |
| | | | | 790( 21) | 833( 2) | | | | |
| 4136 | 140 | 71.90 | 314.00 | 201( 21) | 244( 17) | 287( 6) | 445( 16) | 488( 18) | 546( 9) |
| | | | | 632( 15) | 790( 17) | 833( 21) | | | |
| 4137 | 146 | 71.90 | 314.40 | 201( 4) | 244( 21) | 287( 21) | 488( 21) | 632( 21) | 775( 16) |
| | | | | 790( 21) | 833( 21) | | | | |
| 4138 | 134 | 71.90 | 314.80 | 244( 21) | 287( 21) | 488( 21) | 632( 21) | 775( 19) | 790( 10) |
| | | | | 833( 21) | | | | | |
| 4139 | 150 | 71.90 | 315.20 | 244( 21) | 287( 21) | 488( 20) | 574( 5) | 632( 21) | 675( 2) |
| | | | | 775( 21) | 833( 21) | 876( 18) | | | |
| 4140 | 182 | 71.90 | 315.60 | 187( 7) | 244( 17) | 287( 21) | 431( 18) | 488( 6) | 574( 9) |
| | | | | 632( 20) | 675( 21) | 775( 21) | 833( 21) | 876( 21) | |
| 4141 | 168 | 71.90 | 316.00 | 187( 21) | 287( 21) | 431( 21) | 632( 21) | 675( 21) | 775( 21) |
| | | | | 833( 21) | 876( 21) | | | | |
| 4142 | 169 | 71.90 | 316.40 | 187( 21) | 287( 21) | 431( 21) | 632( 22) | 675( 21) | 775( 21) |
| | | | | 833( 21) | 876( 21) | | | | |
| 4143 | 167 | 71.90 | 316.80 | 187( 21) | 287( 21) | 431( 21) | 474( 4) | 617( 8) | 632( 18) |
| | | | | 675( 21) | 718( 4) | 775( 21) | 833( 7) | 876( 21) | |
| 4144 | 182 | 71.90 | 317.20 | 187( 21) | 230( 16) | 287( 7) | 431( 21) | 474( 21) | 617( 19) |
| | | | | 675( 21) | 718( 21) | 775( 14) | 876( 21) | | |
| 4145 | 164 | 71.90 | 317.60 | 187( 21) | 230( 21) | 431( 21) | 474( 19) | 617( 19) | 675( 21) |
| | | | | 718( 21) | 876( 21) | | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 4146 | 155 | 71.90 | 318.00 | 187( 21) | 230( 21) | 431( 21) | 474( 21) | 617( 15) | 675( 21) |
| | | | | 718( 21) | 876( 14) | | | | |
| 4147 | 135 | 71.90 | 318.40 | 187( 21) | 230( 21) | 431( 16) | 474( 21) | 517( 9) | 617( 17) |
| | | | | 675( 9) | 718( 21) | | | | |
| 4148 | 136 | 71.90 | 318.80 | 172( 20) | 187( 6) | 230( 21) | 474( 21) | 517( 21) | 617( 15) |
| | | | | 718( 21) | 761( 11) | | | | |
| 4149 | 144 | 71.90 | 319.20 | 172( 21) | 230( 21) | 474( 21) | 517( 21) | 617( 18) | 718( 21) |
| | | | | 761( 21) | | | | | |
| 4150 | 146 | 71.90 | 319.60 | 172( 21) | 230( 21) | 474( 21) | 517( 21) | 617( 20) | 718( 21) |
| | | | | 761( 21) | | | | | |
| 4151 | 130 | 71.90 | 320.00 | 172( 21) | 230( 19) | 459( 17) | 474( 9) | 517( 21) | 560( 15) |
| | | | | 718( 7) | 761( 21) | | | | |
| 4152 | 105 | 71.90 | 320.40 | 172( 21) | 459( 21) | 517( 21) | 560( 21) | 761( 21) | |
| 4153 | 113 | 71.90 | 320.79 | 172( 21) | 459( 21) | 517( 21) | 560( 21) | 761( 21) | 804( 8) |
| 4154 | 120 | 71.90 | 321.19 | 172( 21) | 459( 21) | 502( 4) | 517( 21) | 560( 21) | 603( 3) |
| | | | | 761( 21) | 804( 8) | | | | |
| 4155 | 124 | 71.90 | 321.59 | 172( 13) | 258( 16) | 459( 21) | 502( 17) | 517( 2) | 560( 17) |
| | | | | 603( 19) | 761( 19) | | | | |
| 4156 | 77 | 71.90 | 321.99 | 258( 21) | 459( 21) | 502( 3) | 560( 15) | 603( 17) | |
| 4157 | 85 | 71.90 | 322.39 | 258( 21) | 459( 21) | 560( 21) | 603( 19) | 804( 3) | |
| 4158 | 78 | 71.90 | 322.79 | 258( 21) | 459( 16) | 560( 17) | 603( 20) | 646( 1) | 847( 3) |
| 4159 | 84 | 71.90 | 323.19 | 258( 21) | 603( 17) | 646( 21) | 804( 4) | 847( 21) | |
| 4160 | 103 | 71.90 | 323.59 | 158( 3) | 258( 21) | 603( 21) | 646( 21) | 847( 20) | 890( 17) |
| 4161 | 105 | 71.90 | 323.99 | 258( 21) | 588( 3) | 603( 21) | 646( 21) | 890( 21) | 1019( 18) |
| 4162 | 130 | 71.90 | 324.39 | 158( 2) | 201( 4) | 258( 18) | 445( 15) | 588( 21) | 603( 9) |
| | | | | 646( 21) | 890( 21) | 1019( 19) | | | |
| 4163 | 122 | 71.90 | 324.79 | 158( 3) | 201( 21) | 445( 21) | 588( 15) | 646( 21) | 689( 1) |
| | | | | 847( 3) | 890( 16) | 1019( 21) | | | |
| 4164 | 72 | 71.90 | 325.19 | 201( 17) | 445( 12) | 646( 21) | 689( 4) | 890( 1) | 1019( 17) |
| 4165 | 52 | 71.90 | 325.59 | 158( 6) | 588( 15) | 646( 5) | 689( 19) | 890( 7) | |
| 4166 | 38 | 71.90 | 325.99 | 488( 6) | 588( 21) | 689( 11) | | | |
| 4167 | 47 | 71.90 | 326.39 | 244( 1) | 445( 1) | 588( 13) | 631( 4) | 689( 13) | 890( 10) |
| | | | | 1019( 5) | | | | | |
| 4168 | 26 | 71.90 | 326.79 | 488( 5) | 689( 21) | | | | |
| 4169 | 15 | 71.90 | 327.19 | 201( 1) | 445( 1) | 689( 13) | | | |
| 4170 | 16 | 71.90 | 327.59 | 186( 3) | 244( 2) | 287( 9) | 875( 2) | | |
| 4171 | 7 | 71.90 | 327.99 | 430( 7) | | | | | |
| 4172 | 5 | 71.90 | 328.39 | 430( 4) | 631( 1) | | | | |
| 4173 | 2 | 71.90 | 328.79 | 186( 2) | | | | | |
| 4175 | 21 | 71.90 | 329.59 | 430( 3) | 473( 13) | 717( 5) | | | |
| 4176 | 6 | 71.90 | 329.99 | 430( 5) | 473( 1) | | | | |
| 4177 | 4 | 71.90 | 330.39 | 473( 4) | | | | | |
| 4178 | 7 | 71.90 | 330.79 | 473( 7) | | | | | |
| 4179 | 1 | 71.90 | 331.19 | 717( 1) | | | | | |
| 4180 | 1 | 71.90 | 331.59 | 473( 1) | | | | | |
| 4181 | 11 | 71.90 | 331.99 | 172( 3) | 272( 1) | 559( 6) | 617( 1) | | |
| 4182 | 6 | 71.90 | 332.39 | 559( 5) | 617( 1) | | | | |
| 4183 | 26 | 71.90 | 332.79 | 272( 12) | 516( 13) | 803( 1) | | | |
| 4184 | 10 | 71.90 | 333.19 | 803( 10) | | | | | |
| 4186 | 4 | 71.90 | 333.99 | 803( 4) | | | | | |
| 4188 | 3 | 71.90 | 334.79 | 645( 3) | | | | | |
| 4212 | 2 | 72.00 | 304.40 | 1378( 2) | | | | | |
| 4213 | 7 | 72.00 | 304.80 | 1378( 7) | | | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 4214 | 2 | 72.00 | 305.20 | 1220( 1) | 1435( 1) | | | | |
| 4215 | 24 | 72.00 | 305.60 | 1206( 3) | 1220( 2) | 1306( 10) | 1392( 5) | 1478( 4) | |
| 4216 | 10 | 72.00 | 306.00 | 1206( 9) | 1306( 1) | | | | |
| 4217 | 9 | 72.00 | 306.40 | 1306( 3) | 1349( 3) | 1392( 3) | | | |
| 4220 | 3 | 72.00 | 307.60 | 1435( 3) | | | | | |
| 4221 | 32 | 72.00 | 308.00 | 187( 9) | 503( 11) | 517( 5) | 546( 5) | 675( 2) | |
| 4222 | 34 | 72.00 | 308.40 | 187( 2) | 259( 2) | 273( 3) | 503( 7) | 517( 2) | 632( 1) |
| 4223 | 155 | 72.00 | 308.80 | 1220( 10) | 1435( 7) | | | | |
| | | | | 187( 14) | 259( 3) | 273( 7) | 431( 11) | 474( 9) | 503( 3) |
| | | | | 517( 7) | 632( 12) | 675( 11) | 718( 9) | 761( 11) | 790( 11) |
| | | | | 833( 12) | 876( 13) | 1306( 14) | 1349( 8) | | |
| 4224 | 101 | 72.00 | 309.20 | 187( 7) | 259( 4) | 273( 7) | 431( 19) | 632( 2) | 675( 20) |
| | | | | 718( 1) | 790( 9) | 876( 15) | 1306( 1) | 1349( 16) | |
| 4225 | 195 | 72.00 | 309.60 | 187( 18) | 230( 14) | 259( 5) | 273( 9) | 431( 21) | 474( 2) |
| | | | | 517( 19) | 632( 11) | 675( 21) | 718( 17) | 761( 20) | 790( 8) |
| | | | | 833( 3) | 1220( 3) | 1392( 3) | 1435( 9) | 1478( 12) | |
| 4226 | 139 | 72.00 | 310.00 | 187( 13) | 230( 14) | 273( 9) | 431( 15) | 474( 6) | 517( 13) |
| | | | | 632( 12) | 675( 14) | 718( 10) | 761( 13) | 790( 2) | 833( 3) |
| | | | | 876( 2) | 1220( 8) | 1478( 5) | | | |
| 4227 | 32 | 72.00 | 310.40 | 273( 6) | 474( 6) | 546( 13) | 560( 2) | 790( 5) | |
| 4228 | 137 | 72.00 | 310.80 | 187( 9) | 230( 10) | 431( 11) | 474( 14) | 517( 12) | 546( 4) |
| | | | | 560( 9) | 632( 7) | 675( 12) | 718( 4) | 761( 4) | 790( 9) |
| | | | | 804( 7) | 833( 5) | 876( 7) | 1220( 13) | | |
| 4229 | 290 | 72.00 | 311.20 | 187( 21) | 230( 19) | 273( 6) | 431( 17) | 474( 18) | 517( 21) |
| | | | | 560( 18) | 632( 21) | 675( 21) | 718( 18) | 761( 21) | 790( 14) |
| | | | | 804( 19) | 833( 19) | 876( 16) | 1220( 21) | | |
| 4230 | 160 | 72.00 | 311.60 | 187( 6) | 230( 21) | 273( 4) | 474( 21) | 517( 21) | 560( 3) |
| | | | | 603( 3) | 632( 4) | 675( 1) | 718( 21) | 761( 21) | 790( 11) |
| | | | | 804( 2) | 1220( 21) | | | | |
| 4231 | 129 | 72.00 | 312.00 | 187( 8) | 230( 18) | 273( 12) | 431( 5) | 474( 4) | 517( 3) |
| | | | | 560( 14) | 603( 2) | 632( 6) | 675( 6) | 718( 20) | 761( 3) |
| | | | | 804( 5) | 833( 5) | 847( 1) | 876( 6) | 1220( 11) | |
| 4232 | 291 | 72.00 | 312.40 | 187( 21) | 230( 15) | 273( 20) | 431( 21) | 474( 14) | 517( 6) |
| | | | | 560( 21) | 603( 21) | 632( 18) | 646( 10) | 675( 18) | 718( 20) |
| | | | | 761( 6) | 804( 21) | 833( 21) | 847( 20) | 876( 18) | |
| 4233 | 343 | 72.00 | 312.80 | 158( 10) | 187( 21) | 230( 21) | 273( 18) | 431( 21) | 474( 21) |
| | | | | 517( 18) | 560( 20) | 603( 21) | 632( 18) | 646( 21) | 675( 21) |
| | | | | 718( 19) | 761( 21) | 804( 21) | 833( 19) | 847( 21) | 876( 10) |
| | | | | 890( 1) | | | | | |
| 4234 | 299 | 72.00 | 313.20 | 158( 3) | 187( 2) | 230( 21) | 273( 18) | 431( 8) | 474( 21) |
| | | | | 517( 21) | 560( 21) | 603( 18) | 632( 21) | 646( 21) | 675( 21) |
| | | | | 718( 20) | 761( 19) | 804( 21) | 833( 20) | 847( 21) | 890( 2) |
| 4235 | 300 | 72.00 | 313.60 | 158( 2) | 187( 8) | 230( 21) | 273( 21) | 431( 2) | 474( 21) |
| | | | | 517( 20) | 560( 21) | 603( 19) | 632( 21) | 646( 20) | 675( 18) |
| | | | | 718( 19) | 761( 20) | 804( 17) | 833( 19) | 847( 20) | 876( 1) |
| | | | | 890( 8) | 1019( 2) | | | | |
| 4236 | 384 | 72.00 | 314.00 | 158( 19) | 187( 21) | 230( 21) | 273( 21) | 431( 19) | 445( 5) |
| | | | | 474( 20) | 517( 21) | 560( 19) | 603( 21) | 632( 6) | 646( 19) |
| | | | | 675( 18) | 689( 9) | 718( 21) | 761( 21) | 804( 21) | 847( 19) |
| | | | | 876( 21) | 890( 21) | 1019( 21) | | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|
| 4237 | 432 | 72.00 314.40 | 158( 21) | 187( 21) | 201( 17) | 230( 20) | 273( 21) | 431( 21) |
| | | | 445( 21) | 474( 21) | 517( 21) | 560( 20) | 603( 21) | 646( 20) |
| | | | 675( 21) | 689( 21) | 718( 21) | 761( 21) | 804( 21) | 847( 20) |
| | | | 876( 21) | 890( 20) | 1019( 21) | | | |
| 4238 | 434 | 72.00 314.80 | 158( 21) | 187( 21) | 201( 21) | 230( 21) | 273( 20) | 431( 21) |
| | | | 445( 21) | 474( 21) | 517( 21) | 560( 21) | 603( 20) | 646( 21) |
| | | | 675( 21) | 689( 21) | 718( 20) | 761( 20) | 804( 19) | 847( 21) |
| | | | 876( 20) | 890( 21) | 1019( 21) | | | |
| 4239 | 417 | 72.00 315.20 | 158( 20) | 187( 21) | 201( 20) | 230( 21) | 273( 21) | 431( 21) |
| | | | 445( 21) | 474( 21) | 517( 20) | 560( 21) | 603( 21) | 646( 21) |
| | | | 675( 19) | 689( 21) | 718( 21) | 761( 21) | 804( 20) | 847( 21) |
| | | | 876( 3) | 890( 21) | 1019( 21) | | | |
| 4240 | 389 | 72.00 315.60 | 158( 21) | 187( 14) | 201( 21) | 230( 21) | 244( 4) | 273( 21) |
| | | | 431( 3) | 445( 21) | 474( 20) | 488( 15) | 517( 21) | 560( 21) |
| | | | 603( 21) | 646( 21) | 689( 20) | 718( 21) | 761( 21) | 804( 21) |
| | | | 847( 20) | 890( 21) | 1019( 20) | | | |
| 4241 | 391 | 72.00 316.00 | 158( 21) | 201( 21) | 230( 21) | 244( 21) | 273( 21) | 445( 20) |
| | | | 474( 21) | 488( 19) | 517( 21) | 560( 20) | 603( 21) | 646( 20) |
| | | | 689( 21) | 718( 21) | 761( 21) | 804( 21) | 847( 19) | 890( 20) |
| | | | 1019( 21) | | | | | |
| 4242 | 391 | 72.00 316.40 | 158( 21) | 201( 21) | 230( 20) | 244( 21) | 273( 21) | 445( 21) |
| | | | 474( 21) | 488( 21) | 517( 21) | 560( 21) | 603( 18) | 646( 21) |
| | | | 689( 21) | 718( 21) | 761( 18) | 804( 20) | 847( 21) | 890( 21) |
| | | | 1019( 21) | | | | | |
| 4243 | 384 | 72.00 316.80 | 158( 20) | 201( 21) | 230( 21) | 244( 21) | 273( 20) | 445( 21) |
| | | | 474( 17) | 488( 21) | 517( 21) | 560( 21) | 603( 21) | 646( 21) |
| | | | 689( 21) | 718( 14) | 761( 19) | 804( 21) | 847( 21) | 890( 21) |
| | | | 1019( 21) | | | | | |
| 4244 | 358 | 72.00 317.20 | 158( 21) | 201( 21) | 230( 5) | 244( 21) | 273( 21) | 287( 14) |
| | | | 445( 21) | 488( 21) | 517( 20) | 560( 21) | 603( 21) | 646( 21) |
| | | | 689( 20) | 761( 21) | 775( 7) | 804( 21) | 847( 20) | 890( 21) |
| | | | 1019( 20) | | | | | |
| 4245 | 343 | 72.00 317.60 | 158( 21) | 201( 20) | 244( 20) | 273( 1) | 287( 21) | 445( 20) |
| | | | 488( 20) | 517( 21) | 560( 20) | 603( 17) | 646( 20) | 689( 21) |
| | | | 761( 19) | 775( 20) | 804( 20) | 847( 21) | 890( 20) | 1019( 21) |
| 4246 | 345 | 72.00 318.00 | 158( 21) | 201( 21) | 244( 21) | 287( 21) | 445( 19) | 488( 21) |
| | | | 517( 21) | 560( 21) | 603( 18) | 646( 21) | 689( 17) | 761( 18) |
| | | | 775( 21) | 804( 21) | 847( 21) | 890( 21) | 1019( 21) | |
| 4247 | 344 | 72.00 318.40 | 158( 21) | 201( 21) | 244( 21) | 287( 21) | 445( 21) | 488( 21) |
| | | | 517( 12) | 560( 21) | 603( 19) | 646( 21) | 689( 20) | 761( 21) |
| | | | 775( 21) | 804( 21) | 847( 20) | 890( 21) | 1019( 21) | |
| 4248 | 318 | 72.00 318.80 | 158( 20) | 201( 21) | 244( 21) | 287( 21) | 445( 21) | 488( 21) |
| | | | 560( 21) | 603( 19) | 646( 21) | 689( 21) | 761( 10) | 775( 18) |
| | | | 804( 21) | 847( 21) | 890( 21) | 1019( 20) | | |
| 4249 | 301 | 72.00 319.20 | 158( 21) | 201( 20) | 244( 19) | 287( 20) | 445( 20) | 488( 20) |
| | | | 560( 21) | 603( 20) | 646( 20) | 689( 21) | 775( 17) | 804( 20) |
| | | | 847( 21) | 890( 20) | 1019( 21) | | | |
| 4250 | 313 | 72.00 319.60 | 158( 21) | 201( 21) | 244( 20) | 287( 21) | 445( 21) | 488( 21) |
| | | | 560( 20) | 603( 21) | 617( 1) | 646( 21) | 689( 21) | 775( 20) |
| | | | 804( 21) | 847( 21) | 890( 21) | 1019( 21) | | |
| 4251 | 315 | 72.00 320.00 | 158( 21) | 201( 21) | 244( 21) | 287( 21) | 445( 21) | 488( 21) |
| | | | 560( 6) | 603( 21) | 617( 17) | 646( 21) | 689( 20) | 775( 21) |
| | | | 804( 21) | 847( 20) | 890( 21) | 1019( 21) | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 4252 | 314 | 72.00 | 320.40 | 158( 21) | 201( 21) | 244( 21) | 287( 21) | 445( 21) | 488( 21) |
| | | | | 603( 21) | 617( 21) | 646( 21) | 689( 21) | 775( 21) | 804( 21) |
| | | | | 847( 21) | 890( 21) | 1019( 20) | | | |
| 4253 | 296 | 72.00 | 320.79 | 158( 20) | 201( 21) | 244( 19) | 287( 21) | 445( 21) | 488( 20) |
| | | | | 603( 19) | 617( 18) | 646( 20) | 689( 21) | 775( 21) | 804( 13) |
| | | | | 847( 21) | 890( 20) | 1019( 21) | | | |
| 4254 | 284 | 72.00 | 321.19 | 158( 21) | 201( 20) | 244( 20) | 287( 20) | 445( 20) | 488( 21) |
| | | | | 603( 16) | 617( 21) | 646( 21) | 689( 21) | 775( 20) | 847( 21) |
| | | | | 890( 21) | 1019( 21) | | | | |
| 4255 | 268 | 72.00 | 321.59 | 158( 21) | 172( 8) | 201( 21) | 244( 21) | 287( 21) | 445( 21) |
| | | | | 488( 19) | 617( 16) | 646( 21) | 689( 20) | 775( 20) | 847( 20) |
| | | | | 890( 21) | 1019( 18) | | | | |
| 4256 | 275 | 72.00 | 321.99 | 158( 21) | 172( 21) | 201( 19) | 244( 21) | 287( 21) | 445( 21) |
| | | | | 488( 12) | 617( 19) | 646( 21) | 689( 21) | 775( 20) | 847( 21) |
| | | | | 890( 21) | 1019( 16) | | | | |
| 4257 | 258 | 72.00 | 322.39 | 158( 14) | 172( 21) | 201( 21) | 244( 21) | 287( 21) | 445( 21) |
| | | | | 488( 20) | 617( 21) | 646( 12) | 689( 21) | 775( 20) | 847( 11) |
| | | | | 890( 13) | 1019( 21) | | | | |
| 4258 | 193 | 72.00 | 322.79 | 201( 21) | 244( 21) | 287( 20) | 445( 20) | 459( 5) | 488( 21) |
| | | | | 574( 6) | 617( 18) | 689( 17) | 775( 21) | 890( 2) | 1019( 21) |
| 4259 | 186 | 72.00 | 323.19 | 201( 18) | 244( 20) | 287( 21) | 445( 21) | 459( 8) | 488( 21) |
| | | | | 617( 17) | 775( 21) | 890( 20) | 1019( 19) | | |
| 4260 | 186 | 72.00 | 323.59 | 172( 2) | 201( 21) | 244( 21) | 287( 21) | 445( 21) | 459( 20) |
| | | | | 488( 21) | 617( 17) | 775( 20) | 890( 4) | 1019( 18) | |
| 4261 | 168 | 72.00 | 323.99 | 201( 21) | 244( 21) | 287( 21) | 445( 21) | 459( 21) | 488( 21) |
| | | | | 617( 17) | 689( 1) | 775( 21) | 1019( 3) | | |
| 4262 | 143 | 72.00 | 324.39 | 201( 17) | 244( 6) | 258( 3) | 287( 20) | 445( 6) | 459( 21) |
| | | | | 488( 20) | 574( 10) | 617( 19) | 775( 21) | | |
| 4263 | 125 | 72.00 | 324.79 | 172( 2) | 258( 21) | 287( 21) | 459( 21) | 488( 21) | 617( 18) |
| | | | | 775( 21) | | | | | |
| 4264 | 120 | 72.00 | 325.19 | 244( 3) | 258( 21) | 287( 21) | 459( 21) | 488( 21) | 617( 16) |
| | | | | 775( 17) | | | | | |
| 4265 | 66 | 72.00 | 325.59 | 258( 20) | 287( 10) | 459( 10) | 488( 21) | 775( 5) | |
| 4266 | 40 | 72.00 | 325.99 | 258( 21) | 775( 19) | | | | |
| 4267 | 49 | 72.00 | 326.39 | 172( 11) | 258( 10) | 459( 19) | 775( 9) | | |
| 4268 | 18 | 72.00 | 326.79 | 287( 2) | 459( 16) | | | | |
| 4270 | 2 | 72.00 | 327.59 | 172( 1) | 258( 1) | | | | |
| 4272 | 13 | 72.00 | 328.39 | 172( 9) | 258( 1) | 617( 3) | | | |
| 4273 | 18 | 72.00 | 328.79 | 172( 1) | 588( 2) | 617( 3) | 631( 4) | 832( 8) | |
| 4274 | 24 | 72.00 | 329.19 | 617( 10) | 631( 14) | | | | |
| 4275 | 7 | 72.00 | 329.59 | 832( 7) | | | | | |
| 4277 | 7 | 72.00 | 330.39 | 631( 7) | | | | | |
| 4278 | 5 | 72.00 | 330.79 | 186( 3) | 588( 2) | | | | |
| 4279 | 13 | 72.00 | 331.19 | 186( 13) | | | | | |
| 4280 | 6 | 72.00 | 331.59 | 186( 5) | 430( 1) | | | | |
| 4281 | 5 | 72.00 | 331.99 | 631( 5) | | | | | |
| 4282 | 15 | 72.00 | 332.39 | 186( 5) | 473( 3) | 631( 7) | | | |
| 4283 | 8 | 72.00 | 332.79 | 186( 3) | 473( 5) | | | | |
| 4284 | 9 | 72.00 | 333.19 | 717( 7) | 875( 2) | | | | |
| 4285 | 40 | 72.00 | 333.59 | 272( 2) | 516( 9) | 717( 13) | 832( 16) | | |
| 4286 | 2 | 72.00 | 333.99 | 516( 2) | | | | | |
| 4287 | 20 | 72.00 | 334.39 | 186( 7) | 272( 1) | 473( 7) | 1391( 5) | | |
| 4288 | 21 | 72.00 | 334.79 | 186( 6) | 272( 10) | 473( 2) | 1391( 3) | | |

Table 6. Seasat Greenland Geographical Data Base (Cont.)

| BIN NUMBER | NUMBER PTS | LAT-LONG SW CORNER | | REV (NUMBER PTS) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4289 | 1 | 72.00 | 335.19 | 473( 1) | | | | | | | | | |
| 4290 | 25 | 72.00 | 335.59 | 186( 1) | 272( 2) | 430( 1) | 473( 5) | 1305( 4) | 1391( 5) | 1434( 1) | 1477( 6) | | |
| 4291 | 12 | 72.00 | 335.99 | 186( 4) | 272( 2) | 631( 2) | 1391( 3) | 1477( 1) | | | | | |

Table 7. Seasat Geo-referenced Data Base Header Description

FILE 1: GEO-REFERENCED DATA BASE HEADER RECORD
Record Format: One logical record corresponds to one physical record
Blocksize: 480 Bytes

| Bytes | FORTRAN Variable Type | Description |
|---|---|---|
| 1–4 | I*4 | Number of latitude rows in the data base (56) |
| 5–8 | I*4 | Northwestern-most latitude of data base in degrees North (x $10^5$) (7210000) |
| 9–12 | I*4 | Northwestern-most longitude of data base in degrees East (x $10^5$) (30000000) |
| 13–16 | I*4 | Southeastern-most latitude of data base in degrees North (x $10^5$) (5990000) |
| 17–20 | I*4 | Southeastern-most longitude of data base in degrees East (x $10^5$) (34000000) |
| 21–244 | I*4 | Width of each latitude row in degrees (x $10^5$), starting with the southernmost row. This is dimensioned by the number of latitude rows in the data base. |
| 245-468 | I*4 | The number of longitude divisions in each latitude row, starting with the southernmost row. This is dimensioned by the number of latitude rows in the data base. |
| 469-472 | I*4 | Logical record in data base at which directory starts. |
| 473-476 | I*4 | Size of the data base, including the directory, in blocks. |
| 477-480 | I*4 | Status word for altimetry data. |


| Bits | value | Description |
|---|---|---|
| 0–23 | 0 | Unused |
| 24 | 1 | Slope correction applied |
| | 0 | Slope correction not applied |
| 25 | 1 | Orbit adjustment applied |
| | 0 | Orbit adjustment not applied |
| 26 | 1 | Solid tides removed |
| | 0 | Solid tides not removed |

Table 7. Seasat Geo-referenced Data Base Header Description (Cont.)

| (477-480 Cont.) | Bits | Value | Description |
|---|---|---|---|
| | 27 | 1 | Retracking correction applied |
| | | 0 | Retracking correction not applied |
| | 28 | 1 | Center of gravity bias applied |
| | | 0 | Center of gravity bias not applied |
| | 29 | 1 | Tropospheric correction applied |
| | | 0 | Tropospheric correction not applied |
| | 30 | 1 | Ionospheric correction applied |
| | | 0 | Ionospheric correction not applied |
| | 31 | 1 | Time bias applied |
| | | 0 | Time bias not applied |

Table 8. Seasat Geo-referenced Data Base Description

FILE 2: GEO-REFERENCED DATA BASE
Record Format: 595 logical records correspond to one physical record
Blocksize: 19040 Bytes

Subgroup 1: One logical record for each bin containing data

| Bytes | FORTRAN Variable Type | Description |
|---|---|---|
| 1–4 | I*4 | Indicates the number of logical records which follow which are located in the bin |
| 5–32 | | Unused |

Subgroup 2: One logical record for each data point in the bin

| Bytes | FORTRAN Variable Type | Description |
|---|---|---|
| 1–4 | I*4 | North latitude of datum point in degrees (x $10^6$) |
| 5–8 | I*4 | East longitude of datum point in degrees (x $10^6$) |
| 9–12 | I*4 | Surface height relative to the ellipsoid in cm. |
| 13–16 | I*4 | Height sigma, arbitrary value of 1.0 m used (x $10^5$) |
| 17–18 | I*2 | Rev number |
| 19–20 | I*2 | Used for temporary flags when gridding the data |
| 21–24 | I*4 | Orbit adjustment in meters (x $10^5$) (-999999999 if unavailable) |
| 25–28 | I*4 | RMS of orbit adjustment in meters (x $10^5$) (-999999999 if unavailable) |
| 29–32 | I*4 | Slope correction in meters (x $10^5$) (-999999999 if unavailable) |

NOTE: Subgroups 1 and 2 are repeated for as many bins with data.

Table 8. Seasat Geo-referenced Data Base Description (Cont.)

Subgroup 3: Directory

| Bytes | FORTRAN Variable Type | Description |
|---|---|---|
| 1–4 | I*4 | Record number at which data for bin 1 starts |
| 5–8 | I*4 | Record number at which data for bin 2 starts |
| 9–12 | I*4 | Record number at which data for bin 3 starts |
| 13–16 | I*4 | Record number at which data for bin 4 starts |
| 17–20 | I*4 | Record number at which data for bin 5 starts |
| 21–24 | I*4 | Record number at which data for bin 6 starts |
| 25–28 | I*4 | Record number at which data for bin 7 starts |
| 29–32 | I*4 | Record number at which data for bin 8 starts |

NOTE: The directory contains as many 32-byte logical records as necessary to designate the record locations of all bins.

Table 9. Elevation Grid Header Description

FILE 4: ELEVATION GRID HEADER RECORD
Record Format: One logical record corresponds to one physical record
Blocksize: 80 Bytes

| Bytes | FORTRAN Variable Type | Description |
|---|---|---|
| 1–4 | I*4 | Number of latitude increments in the grid for a non-polar stereographic grid (140) |
| 5–8 | I*4 | Number of longitude increments in the grid for a non-polar stereographic grid (152) |
| 9–12 | I*4 | Starting north latitude of grid in degrees North (x $10^6$) (this will be approximate for a polar stereographic grid) (50000000) |
| 13–16 | I*4 | Starting east longitude of grid in degrees East (x $10^6$) (this will be approximate for a polar stereographic grid) (300000000) |
| 17–20 | I*4 | Ending north latitude of grid in degrees North (x $10^6$) (this will be approximate for a polar stereographic grid) (73000000) |
| 21–24 | I*4 | Ending east longitude of grid in degrees East (x $10^6$) (this will be approximate for a polar stereographic grid) (340000000) |
| 25–28 | I*4 | Status word for data used to generate grid. A zero in any bit position indicates that the correction is not applied. |


| Bits | Value | Description |
|---|---|---|
| 0-23 | | Unused |
| 24 | 1 | Slope correction applied |
| | 0 | Slope correction not applied |
| 25 | 1 | Orbit adjustment applied |
| | 0 | Orbit adjustment not applied |
| 26 | 1 | Solid tides removed |
| | 0 | Solid tides not removed |
| 27 | 1 | Retracking correction applied |
| | 0 | Retracking correction not applied |
| 28 | 1 | Center of gravity bias applied |
| | 0 | Center of gravity bias not applied |
| 29 | 1 | Tropospheric correction applied |
| | 0 | Tropospheric correction not applied |
| 30 | 1 | Ionospheric correction applied |
| | 0 | Ionospheric correction not applied |
| 31 | 1 | Time bias applied |
| | 0 | Time bias not applied |

Table 9. Elevation Grid Header Description (Cont.)

| Bytes | FORTRAN Variable Type | Description |
|---|---|---|
| 29–32 | I*4 | Polar stereographic grid size conversion and scaling factor from half-inch grids on projection plane to the desired grid size (x $10^6$) (1650000) |
| 33–36 | I*4 | The number of grids of desired size from the pole to the equator based on the grid size conversion and scaling factor (x $10^6$) (608754894) |
| 37–40 | I*4 | Latitude of the map perimeter in degrees North (x $10^6$) (500000000) |
| 41–44 | I*4 | Greenwich orientation in degrees (x $10^6$) (450000000) |
| 45–48 | I*4 | Polar stereographic switch (1)<br>=0, grid has constant increment in latitude and longitude<br>=1, grid is in polar stereographic projection |
| 49–52 | I*4 | Number of I-axis divisions to the extent of the map perimeter (445) |
| 53–56 | I*4 | Number of J-axis divisions to the extent of the map perimeter (445) |
| 57–60 | I*4 | J coordinate of the projected pole (223) |
| 61–64 | I*4 | I coordinate of the projected pole (223) |
| 65–68 | I*4 | Minimum J index of the grid (166) |
| 69–72 | I*4 | Maximum J index of the grid (317) |
| 73–76 | I*4 | Minimum I index of the grid (305) |
| 77–80 | I*4 | Maximum I index of the grid (444) |

Table 10. Elevation Grid Description

FILE 5: ELEVATION GRID DATA RECORD
Record Format: 10 logical records correspond to one physical record
Blocksize: 1800 Bytes

| Bytes | FORTRAN Variable Type | Description |
|---|---|---|
| 1-4 | I*4 | Condition number of the matrix used in the least-squares solution to the function (x $10^6$) |
| 5-8 | I*4 | Capsize in degrees latitude - radius from grid location defining area from which data was used to define grid (x $10^6$) |
| 9-12 | I*4 | North latitude of grid point in degrees (x $10^6$) |
| 13-16 | I*4 | East longitude of grid point in degrees (x $10^6$) |
| 17-20 | I*4 | Height values of the grid at location relative to sea level in meters (x $10^5$) |
| 21-24 | I*4 | Number of data values that were used to calculate grid value |
| 25-28 | I*4 | Number of parameters used to define function, NPT, (equals 0, 3, or 6) |
| 29-52 | I*4 | Six gridding function coefficients. If NPT is < 6 then the rest of the coefficients are initialized to zero. (x $10^5$) |
| 53-76 | I*4 | Set of null coefficients associated with any negligible singular values (see SVD reference). If NPT is < 6 then rest of coefficients are initialized to zero (x $10^6$) |
| 77-80 | I*4 | Distance in km from grid locations to closest data point (x $10^6$) |
| 81-84 | I*4 | North latitude of closest data point to grid location in degrees (x $10^6$) |
| 85-88 | I*4 | East longitude of closest data point to grid location in degrees (x $10^6$) |
| 89-92 | I*4 | Height associated with closest data point to grid location in meters (x $10^5$) |
| 93-96 | I*4 | Standard deviation of the data with respect to the gridding function in meters (x $10^6$) |
| 97-180 | I*4 | Correlation matrix from solution. This is a symmetrical 6 X 6 matrix so only the upper triangular portion is stored. The order of storage is elements 1–6 are the first row elements, 7–11 columns 2–6 of second row etc. (x $10^5$) |

NOTE: Ten of the above-mentioned 180-byte logical records make up one block of data.

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H. Jay Zwally - Oceans and Ice Branch, NASA-GSFC, Greenbelt, MD;
Anita C. Brenner and Judith A. Major - ST Systems Corporation, 4400 Forbes Blvd., Lanham, MD;
Thomas V. Martin - Van Martin Consulting, Inc., P.O. Box 2203, Rockville, MD;
Robert A. Bindschadler - Oceans and Ice Branch, NASA-GSFC, Greenbelt, MD.

**16. Abstract**

The data processing methods and ice data products derived from Seasat radar altimeter measurements over the Greenland ice sheet and surrounding sea ice are documented in this first volume of a series. The corrections derived and applied to the Seasat radar altimeter data over ice are described in detail, including the editing and retracking algorithm to correct for height errors caused by lags in the automatic range tracking circuit. The methods for radial adjustment of the orbits and estimation of the slope-induced errors are given. The various levels of ice data sets are described in this report, but the user is referred to Volumes 2 (Greenland) and 4 (Antarctica) for more detailed descriptions of the gridded elevation data sets and the geo-referenced data bases.

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